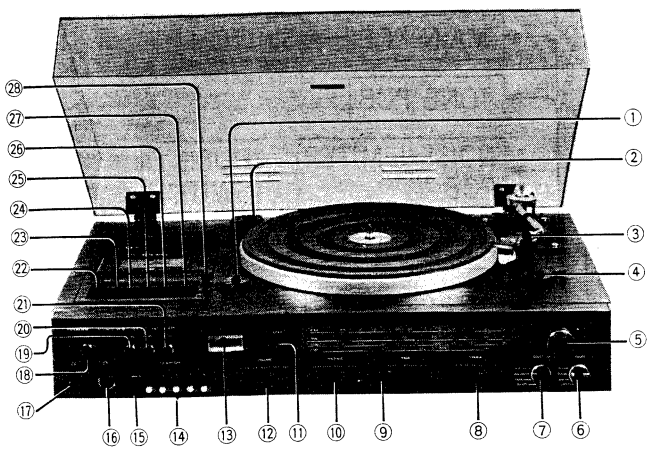
HITACHI

SDT-2375

SERVICE MANUAL

No. 790



① RECORD SPEED SELECTOR
② EP ADAPTOR
③ RECORD CUEING LEVER
④ RECORD INTERRUPT LEVER
⑤ TUNING CONTROL
⑥ BAND SELECTOR
⑦ FUNCTION SELECTOR
⑧ TREBLE CONTROL
⑨ BASS CONTROL
⑩ BALANCE CONTROL
⑪ FM STEREO INDICATOR
⑫ VOLUME CONTROL
⑬ FM FREQUENCY METER
⑭ FM STATION SELECTORS(1 to 5)
⑮ MANUAL FM STATION SELECTOR SWITCH
⑯ MICROPHONE JACK(Right and Left)
⑰ HEADPHONE JACK
⑱ POWER SWITCH
⑲ MONO SWITCH
⑳ CASSETTE TAPE NOISE LIMITER SWITCH
㉑ CASSETTE TAPE SELECTOR SWITCH (CrO2-Normal)
㉒ CASSETTE REWIND BUTTON
㉓ CASSETTE RECORD BUTTON
㉔ CASSETTE PLAYBACK BUTTON
㉕ CASSETTE FAST FORWARD BUTTON
㉖ CASSETTE STOP BUTTON
㉗ CASSETTE EJECT BUTTON
㉘ CASSETTE PAUSE BUTTON

SPECIFICATIONS

General Section

Semiconductors	6 IC, 9 Transistor, 1 FET, 24 Diode, 3 Varistor
Power Supply	220V, 50 Hz
Power Consumption	140 Watts
Dimensions	19.1(H)×59.5(W)×37(D)cm

Amplifier Section

Power Output		15 Watts × 2 (4Ω SINUS)
Frequency Response		50～25.000 Hz (−3 dB, at Volum max)
Signal to Noise Ratio		More than 60 dB
Tone Control	Bass	±10 dB (100 Hz)
	Treble	±10 dB (10,000 Hz)
Input Sensitivity and Impedance	MIC	−65 dB/470 Ω
	TAPE IN	550 mV/250 kΩ
Output Level and Impedance	EXT. SP.	4 Ω
	HEADPHONE	8 Ω
	TAPE OUT	150 mV/less than 300 kΩ

Tuner Section

Circuit System		4 Band Superheterodyn
Tuning Range	FM	88～108 MHz
	SW	5.9～10 MHz
	MW	530～1,605 kHz
	LW	150～350 kHz
Usable Sensitivity	FM	5 μV (IHF S/N 30 dB)
	SW	100 MV/m (IHF S/N 20 dB)
	MW	250 μV/m (IHF S/N 20 dB)
	LW	600 μV/m (IHF S/N 20 dB)
Intermediate Frequency	FM	10.7 MHz
	AM	468 kHz
FM Stereo Separation		38 dB
FM Signal to Noise Ratio		50 dB
FM Capture Ratio		4 dB
Selectivity	FM	30 dB (400 kHz)
	AM	25 dB (10 kHz)
Antenna	FM/SW	External Antenna
	MW/LW	Ferrite Core Antenna
FM Frequency Response		50～25,000 Hz (−3 dB)

Player Section

System	2 Speed belt drive.
Turntable	30 cm, Aluminum
Speed	33-1/3, 45 RPM
Motor	4-Pole Synchronous Motor
Cartridge	IM
Stylus	Diamond, ST-17D
Pressure of Stylus	2 g
Wow and flutter	0.1% or less
Signal to Noise Ratio	45 dB

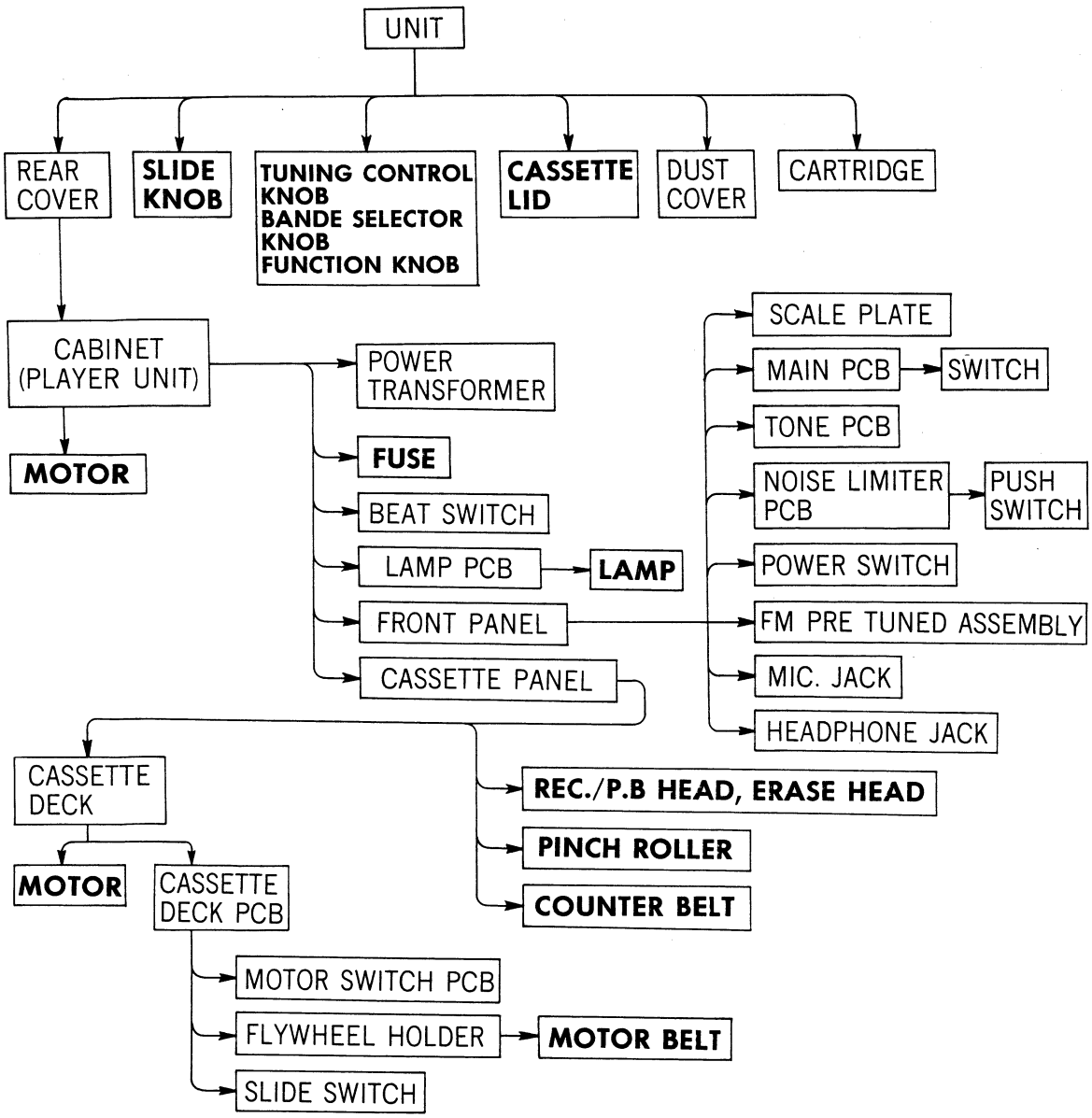
Tape Deck Section

Tape		Cassette Tape
Tape Speed		1-7/8 ips (4.75 cm/s)
Recording System and Bias Frequency		AC Bias, 57±5 kHz
Erase System		AC Erase
Track System		4 Track 2 Channel 2 Programme
Frequency	Normal	50～10,000 Hz (±6 dB)
	CrO2	50～13,000 Hz (±6 dB)
Signal to Noise Ratio		48 dB or more
Motor		DC Motor (Mechanical Governer Control)
Wow and Flutter		0.28 % WRMS.
Playing or Recording time		60 min for Double Pass (C-60)
Channel Separation		30 dB
Erase Ratio		60 dB or more
Cross Talk		50 dB

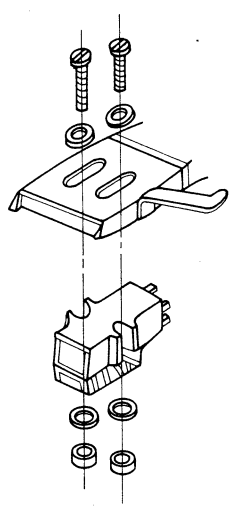
STEREO MUSIC CENTRE

Sept. 1975

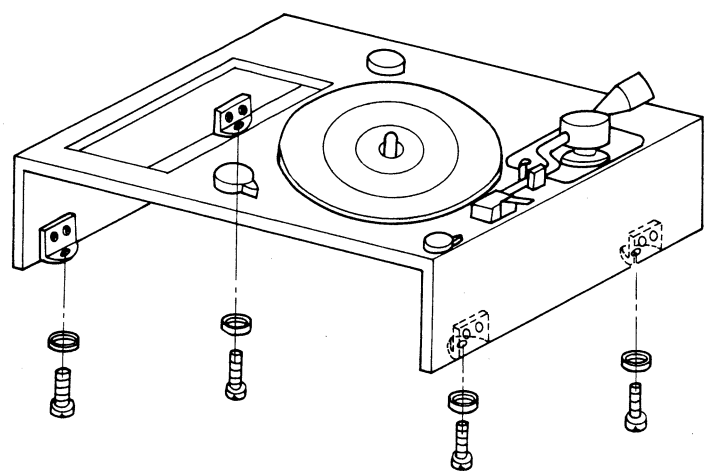
REMOVING PROCESS AND DISASSEMBLY



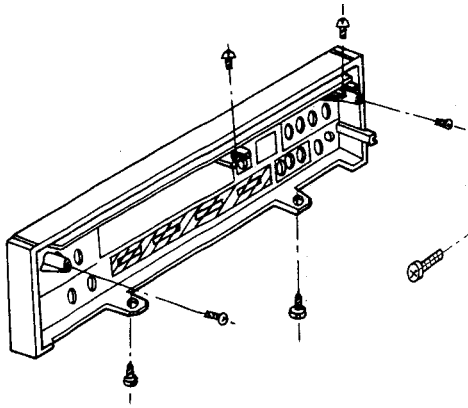
CARTRIDGE



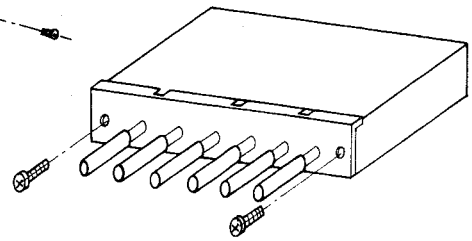
CABINET AND PLAYER UNIT



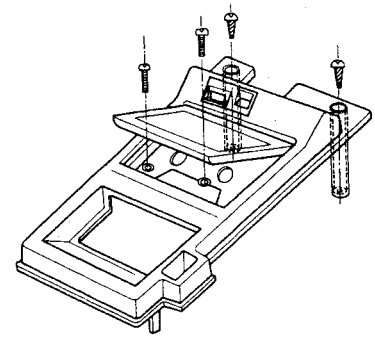
FRONT PANEL



PRE TUNED ASSEMBLY

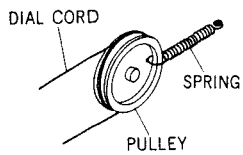


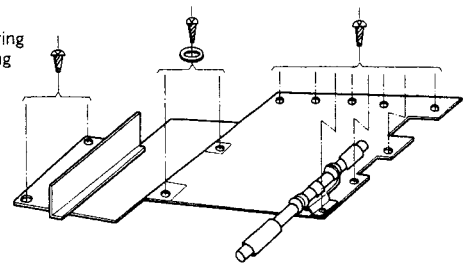
CASSETTE PANEL



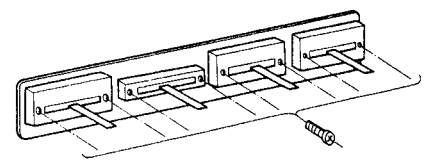
MAIN P.C.B

When removing main P.C.B, hook a spring to pulley for simplification of re-stringing

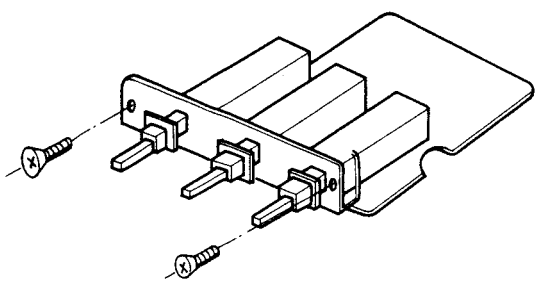




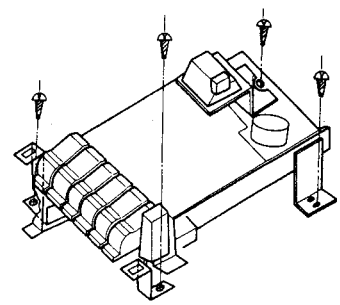
TONE P.C.B



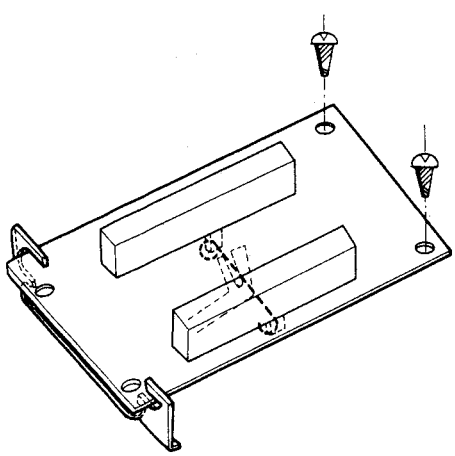
NOISE LIMITER P.C.B



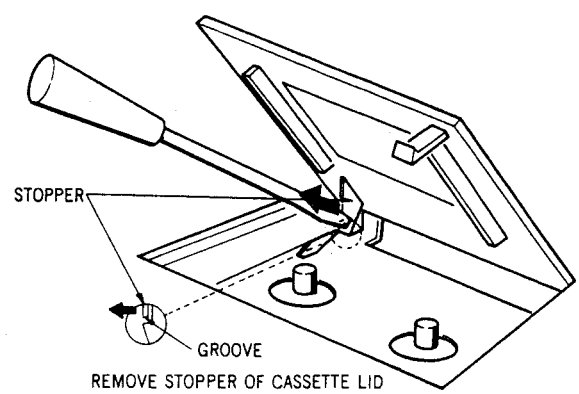
CASSETTE DECK ASSEMBLY



CASSETTE DECK P.C.B



CASSETTE LID



REMOVE STOPPER OF CASSETTE LID FROM GROOVE WITH SCREWDRIVER.

LUBRICATION

Lubricate one or two drops of machine oil to rotating point or lubricate grease to sliding point.
Lubricate the respective parts listed below once every 1000 hours or once a year under normal conditions of use.
Avoid oiling then excessively, or rotation may become irregular because of oil splashes.

	Lubrication point	Oil or grease
Cassette deck	Motor shaft bearing	Oil
	Capstan shaft bearing	Oil
	Pinch roller shaft bearing	Oil
Auto player	Turn table shaft bearing	Oil
	Gear shaft bearing	Oil
	Cam gear sliding groove	grease

DIAL CORD STRINGING

STEP 1. Turn pulley of variable capacitor full counter clockwise.
STEP 2. String dial cord.
STEP 3. Set pointer to minimum frequency.
STEP 4. Adhere pointer and dial cord.

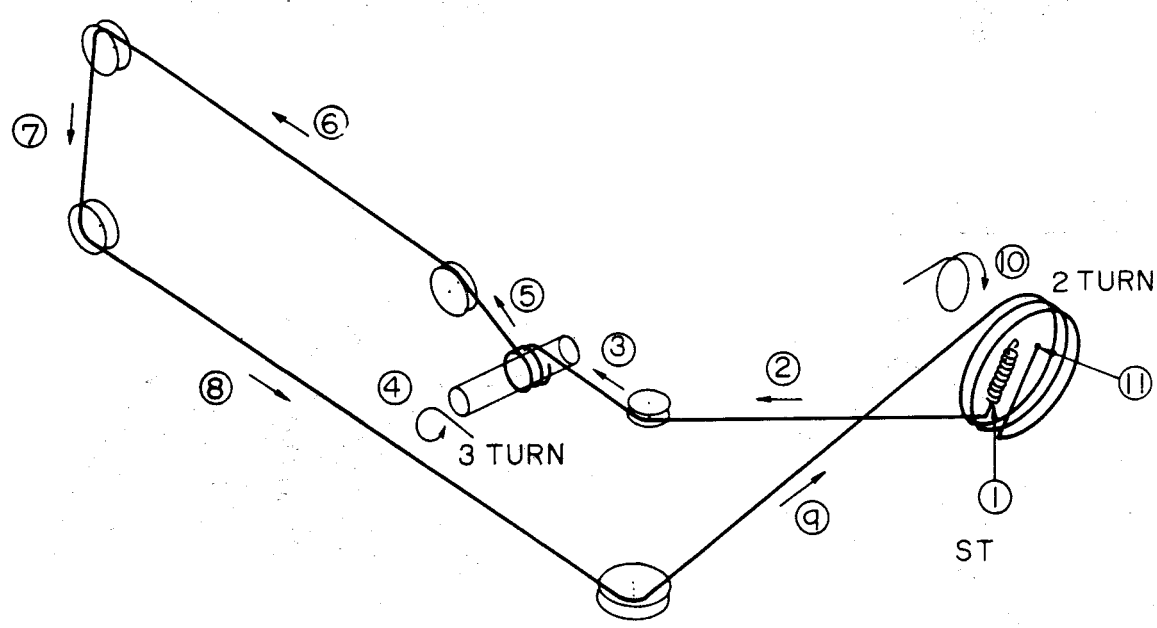


Fig. 1

TAPE DECK MECHANICAL ADJUSTMENT

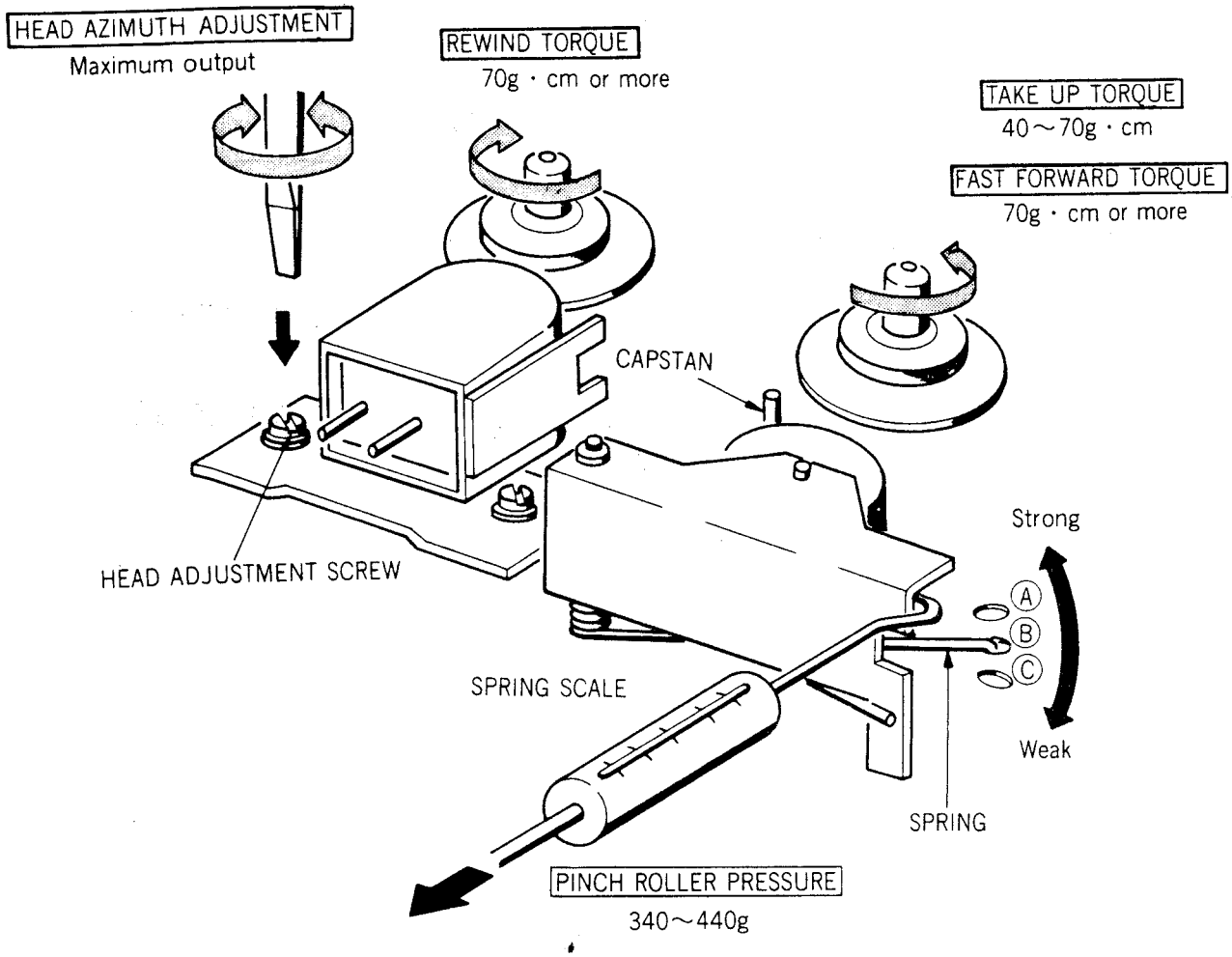


Fig. 2

HEAD AZIMUTH

(1) Load instrument with standard tape for azimuth adjustment.
(2) Observe the output with VTVM connected to P3A (right-channel), P3B (left-channel) as shown in Fig. 18.
(3) Adjust head adjustment screw (See Fig. 17) for maximum output.

TURN TABLE TORQUE

1. Take up torque 40～70g · cm (In PLAY mode)
2. Fast forward torque 70g · cm or more (In F.F. mode)
3. Rewind torque 70g · cm or more (In REW. mode)

PINCH ROLLER PRESSURE

Adjust by changing the hooking position of the spring so that spring scale reads 340～440g when the pinch roller departs from the capstan.

NOTE

To increase the pressure : hook the spring in hole Ⓐ
To reduce the pressure : hook the spring in hole Ⓒ

TAPE DECK AMP. ADJUSTMENT

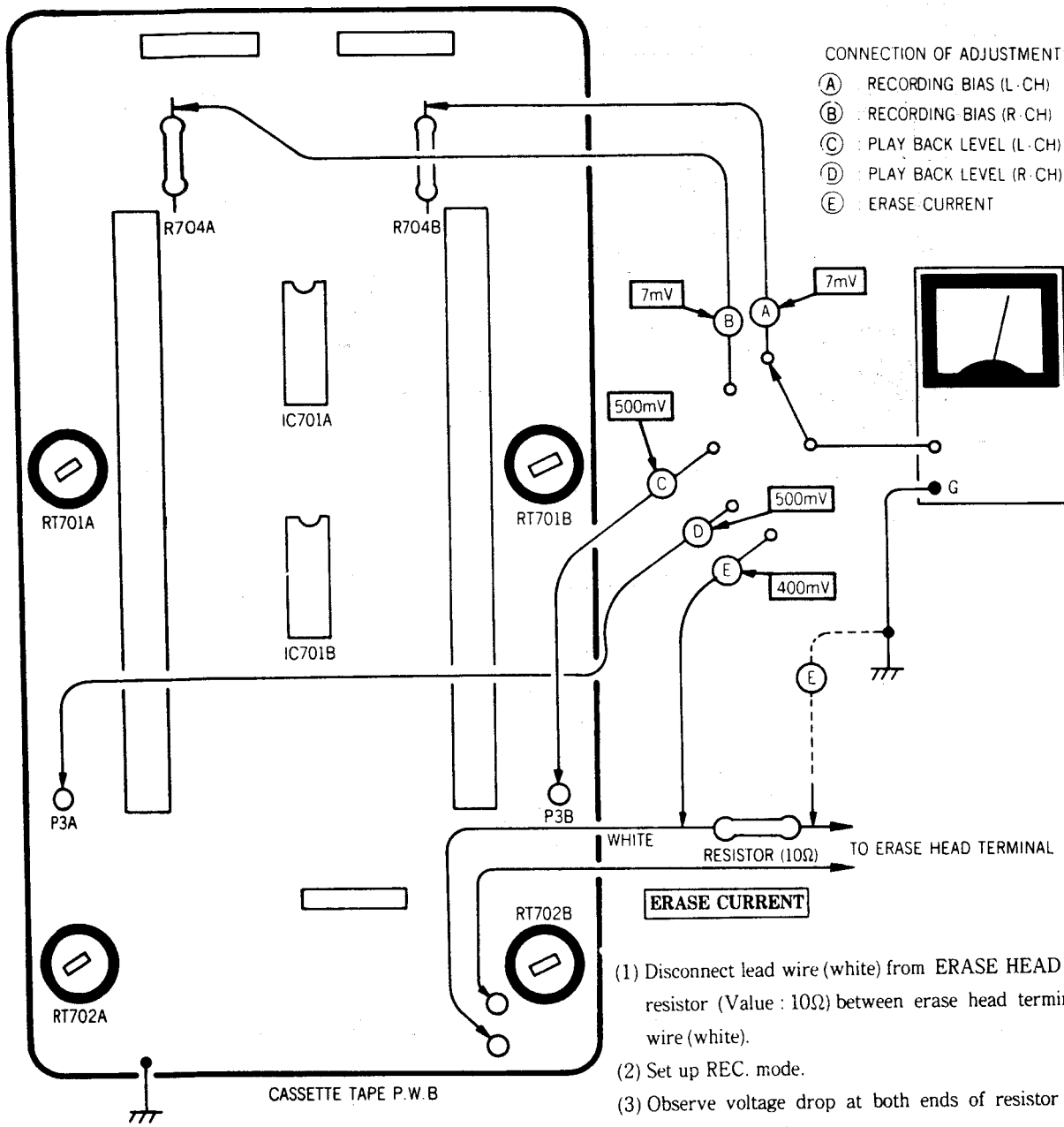


Fig. 3

ERASE CURRENT

(1) Disconnect lead wire (white) from ERASE HEAD and Connect resistor (Value : 10Ω) between erase head terminal and lead wire (white).

(2) Set up REC. mode.

(3) Observe voltage drop at both ends of resistor with VTVM connected to resistor.

(4) Check to be 400mV.

RECORDING BIAS ADJUSTMENT

(1) Set up RECORDING mode.

(2) Observe voltage drop at both ends of resistor R704A (right-channel), R704B (left-channel) with a VTVM connected to the resistor R704A, R704B as shown in Fig. 3.

(3) Adjust RT702A (right-channel), RT702B (left-channel) for 7mV.

PLAY BACK LEVEL ADJUSTMENT

(1) Load instrument with standard tape for playback adjustment.

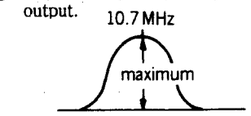
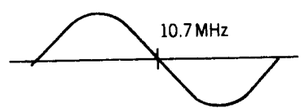
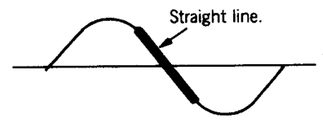
(2) Observe output of right and left channel with a VTVM connected to P3A (right-channel) P3B (left-channel) as shown in Fig. 3.

(3) Adjust RT701A (right channel), RT701B (left channel) for 500mV

TUNER CIRCUIT ADJUSTMENT

Before adjustment.

1. Set knobs (BASS, TLEBLE, VOLUME) fully clockwise.
2. Set knob (BALANCE) to center.
3. Set function buttons (FM, MW, LW, SW, TAPE, PHONO) to adjustment position and function button (MONO/STEREO) to "STEREO"
4. Disconnect speaker cord from speaker jack.

Step	Adjustment circuit		Connection	Signal or sweep generator	Pointer position	Adjustment part. (See Fig. 5)	How to adjust.
FM CIRCUIT							
①	FM-IF		Fig. 6	10.7MHz	High freq. end	T203, T102, T202	① Turn core (T203) full counterclockwise. ② Adjust core (T102,T202) for maximum output.  ③ Adjust core (T203) for symmetrical sinewave.  ④ Adjust core (T202) to be straight on center. 
②	FM-RF	Covering	Fig. 7	87.0MHz	Low freq. end	RT101	① Adjust core for maximum output.
				109MHz	High freq. end	L1022	
		Tracking		90MHz	90MHz	T101,T103	
				106MHz	106MHz	CT101,CT102	
AM CIRCUIT							
①	AM-IF		Fig. 8	465kHz	High freq. end	T151, T201	For T162 and T163 Adjust moving coil on ferrite-core for maximum output.
②	LW-RF	Covering	Fig. 8	145kHz	Low freq. end	T166	
				360kHz	High freq. end	CT166	
		Tracking		160kHz	160kHz	T163	
				330kHz	330kHz	CT163	
③	MW-RF	Covering		505kHz	Low freq. end	T165	
				1650kHz	High freq. end	CT165	
		Tracking		600kHz	600kHz	T162	
				1400kHz	1400kHz	CT162	
④	SW-RF	Covering	Fig. 9	5.7MHz	Low freq. end	164	
				10.5MHz	High freq. end	CT164	
		Tracking		6.5MHz	6.5MHz	T161	
				10 MHz	10MHz	CT161	

FM MULTIPLEX ADJUSTMENT

(1) Connect ground line to P612 as shown in Fig. 4.
(2) Connect frequency counter to IC301– # 10pin as shown in Fig. 4.
(3) Adjust RT301 for 19 kHz.

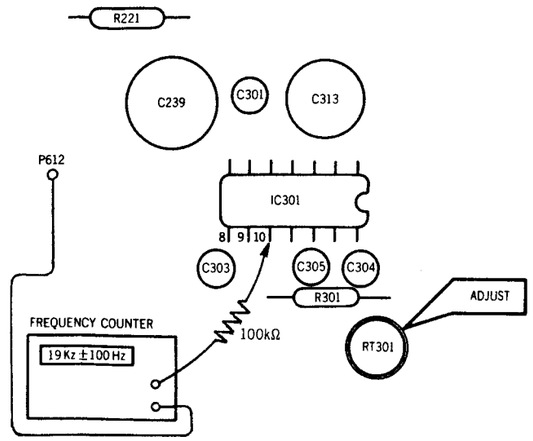


Fig. 4

INTERNAL VIEW

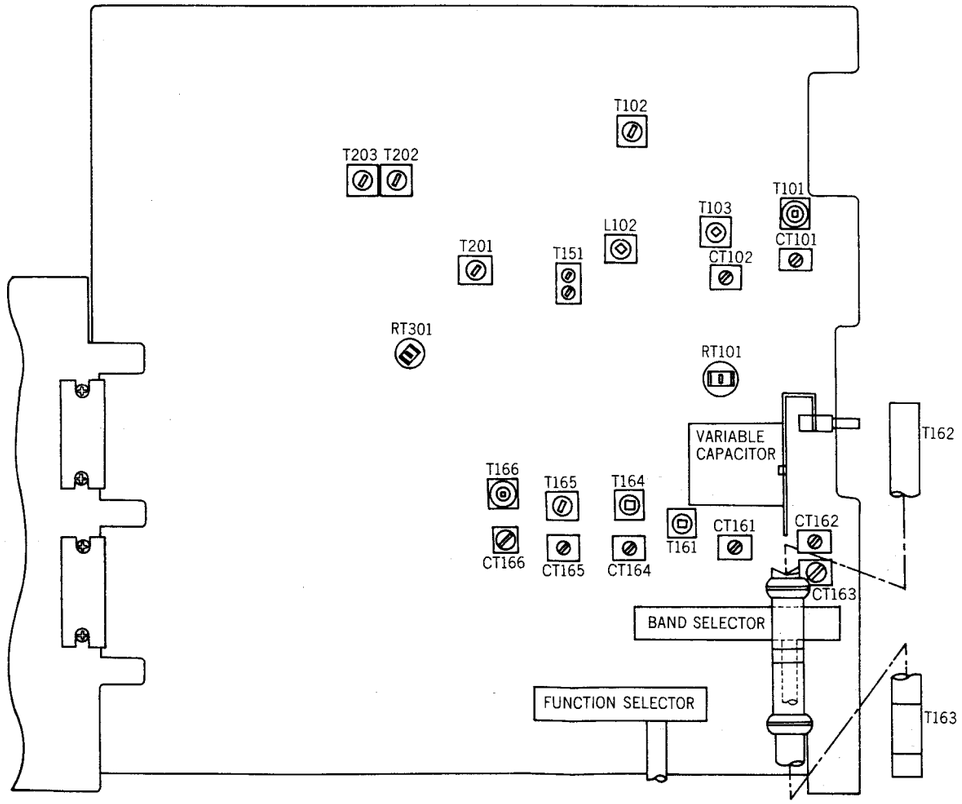


Fig. 5

FM MULTIPLEX ADJUSTMENT

(1) Connect ground line to P612 as shown in Fig. 4.
(2) Connect frequency counter to IC301– # 10pin as shown in Fig. 4.
(3) Adjust RT301 for 19 kHz.

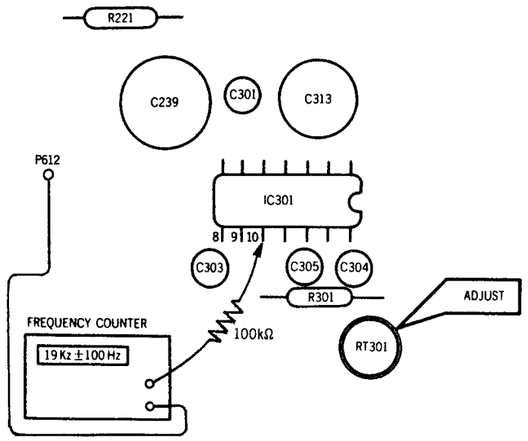


Fig. 4

INTERNAL VIEW

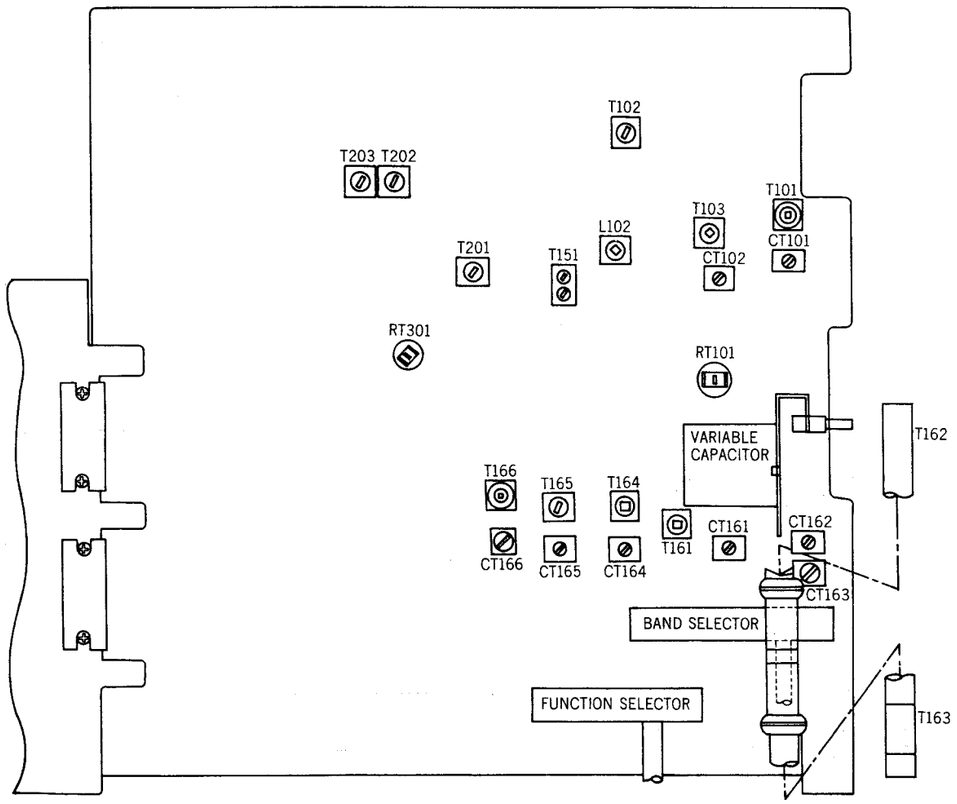


Fig. 5

CONNECTION

Fig. 6 FM·IF ADJUSTMENT

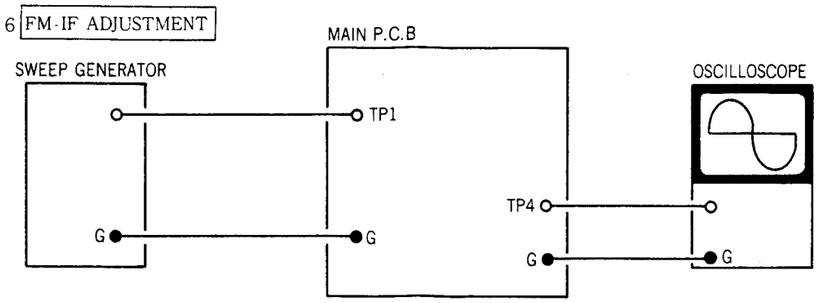


Fig. 7 FM·RF ADJUSTMENT

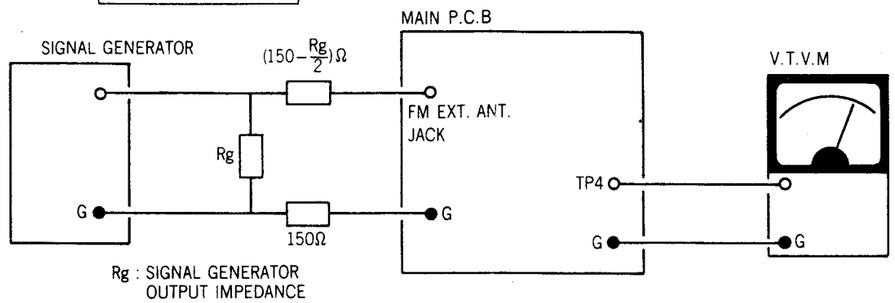


Fig. 8 AM·IF, AM·RF ADJUSTMENT

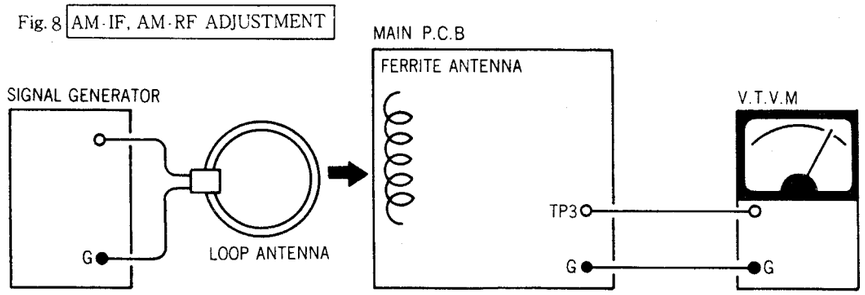
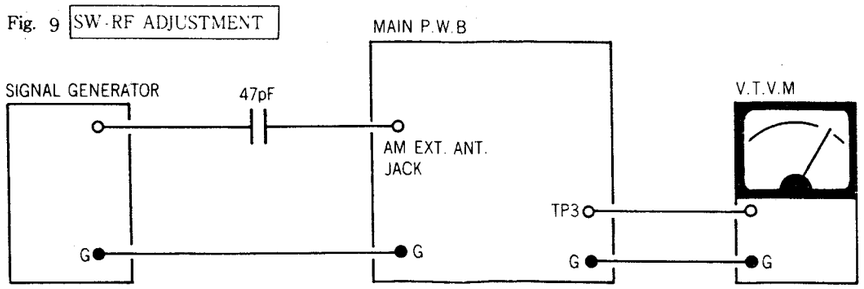
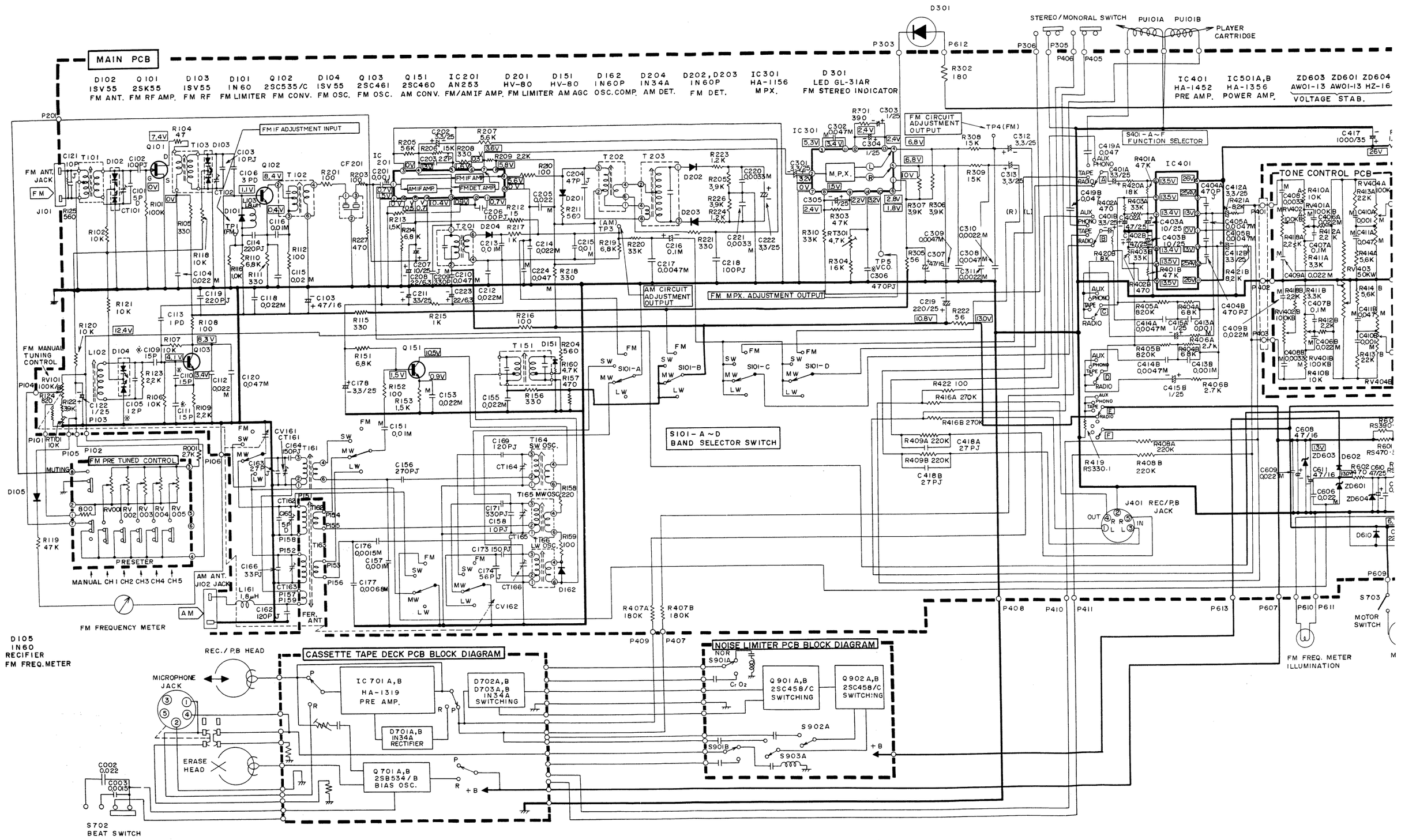
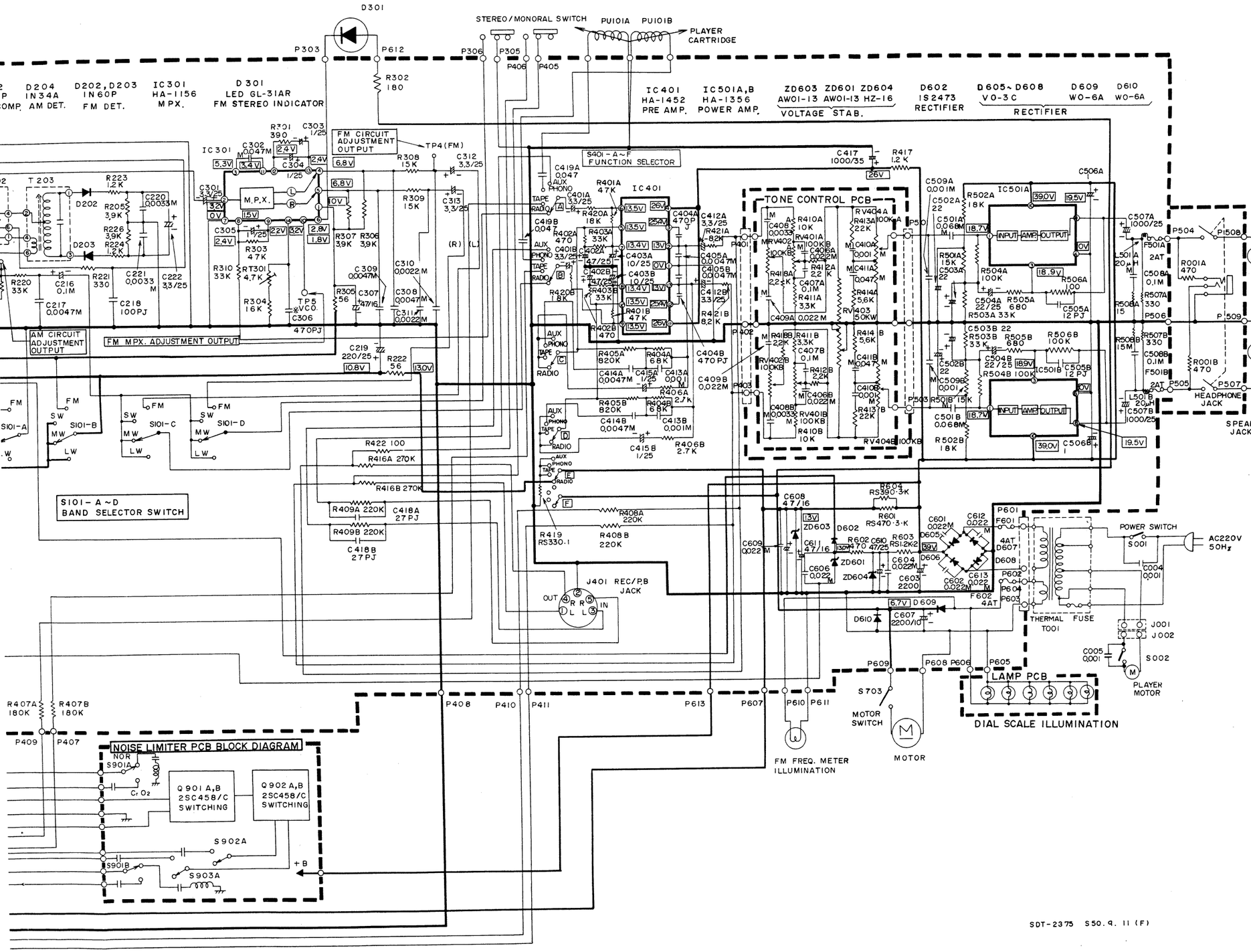


Fig. 9 SW·RF ADJUSTMENT



SCHEMATIC DIAGRAM OF MAIN CIRCUIT





SDT-2375 S50.9.11(F)

NOTE

1. Voltage measured at base of chassis with minimum volume control and no signal.
2. Nomenclature of Resistors and Capacitors.

RESISTORS

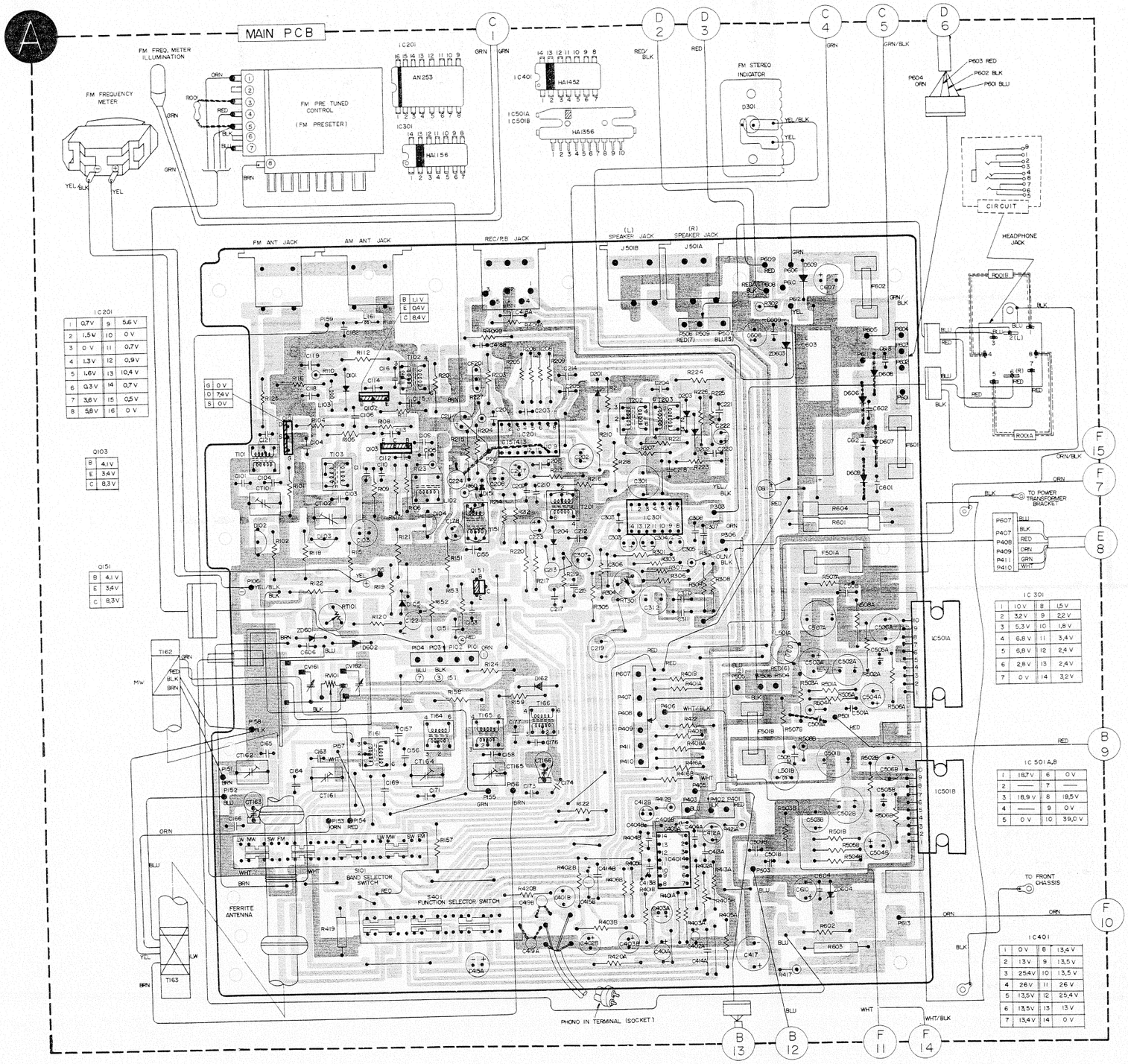
Value	No indicated : Ω K : 1000Ω
Wattage	No indicated : ¼W.
Tolerance	No indicated : ± 5% K : ±10%
Sort	No indicated : Carbon film RC : Composition RS : Metal oxide
Example	R101.....Circuit No. 150.....Value RS・I・K.....Sort・Wattage・Tolerance

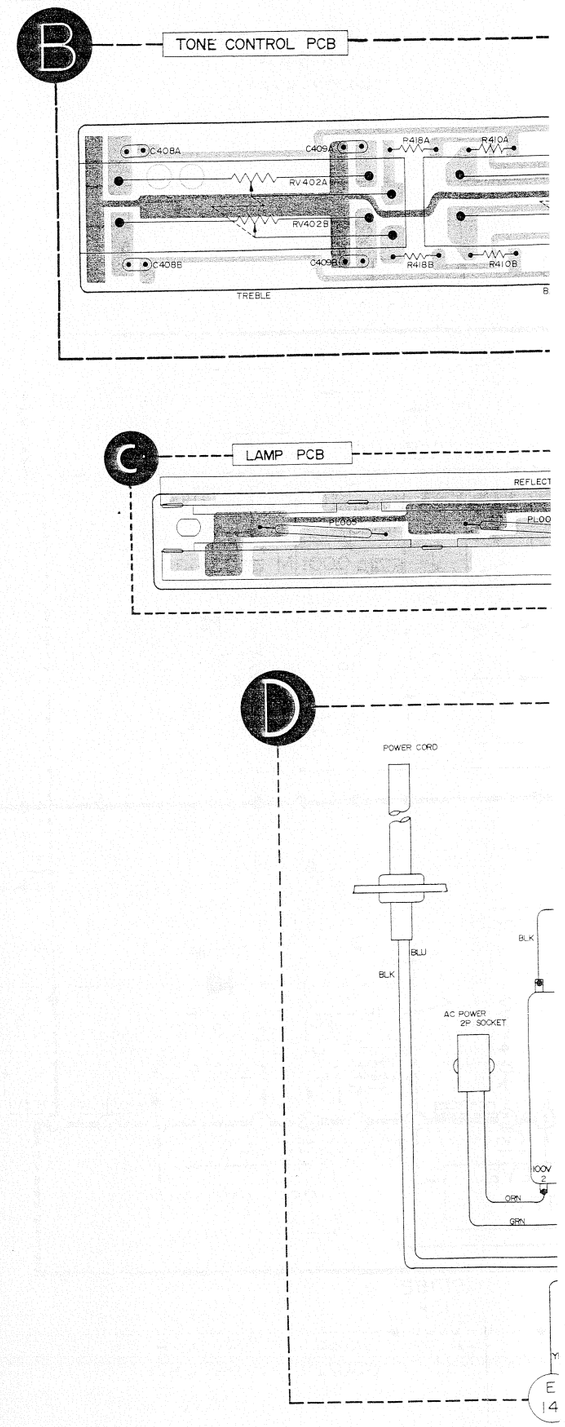
CAPACITORS

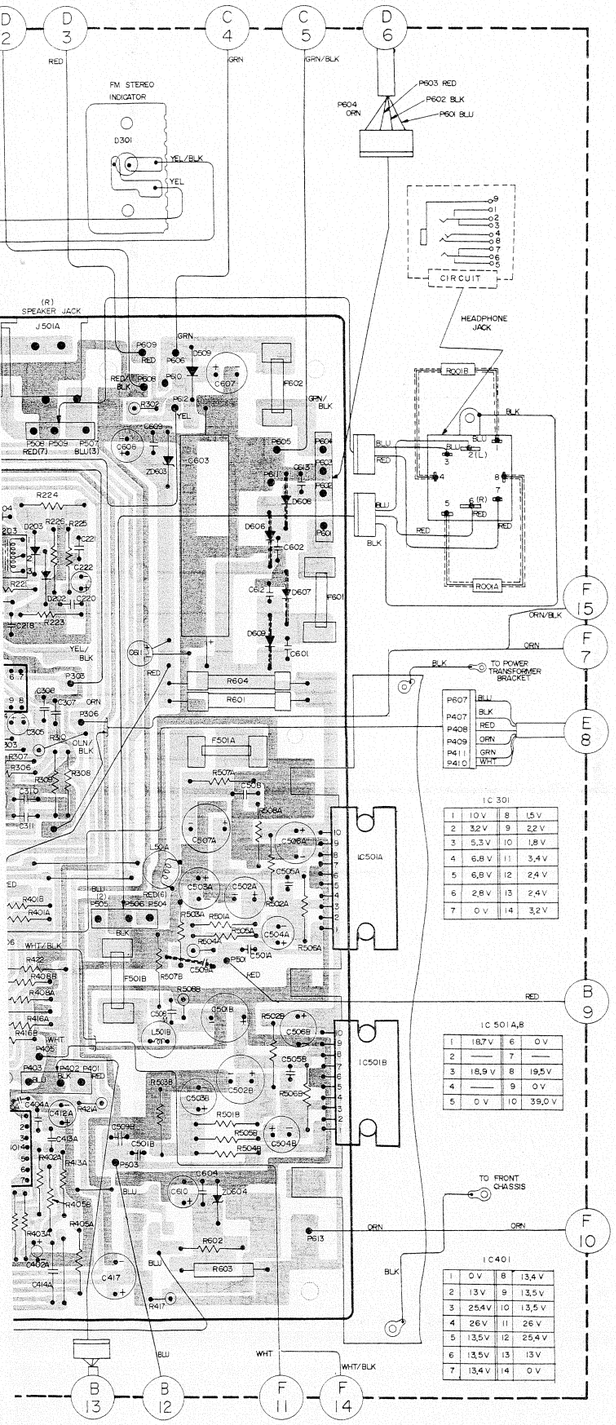
Value	No indicated : μF P : pF	
Voltage	No indicated : 50WV	
Tolerance	No indicated : ±10% J : ± 5% M : ±20% Z : +80, −20% D : ±0.5pF C : ±0.25pF	
Sort		Ceramic
		Electrolytic
		Mylar
		Styrol
Example	C101.....Circuit No. 10/25.....Value/voltage .....Sort	

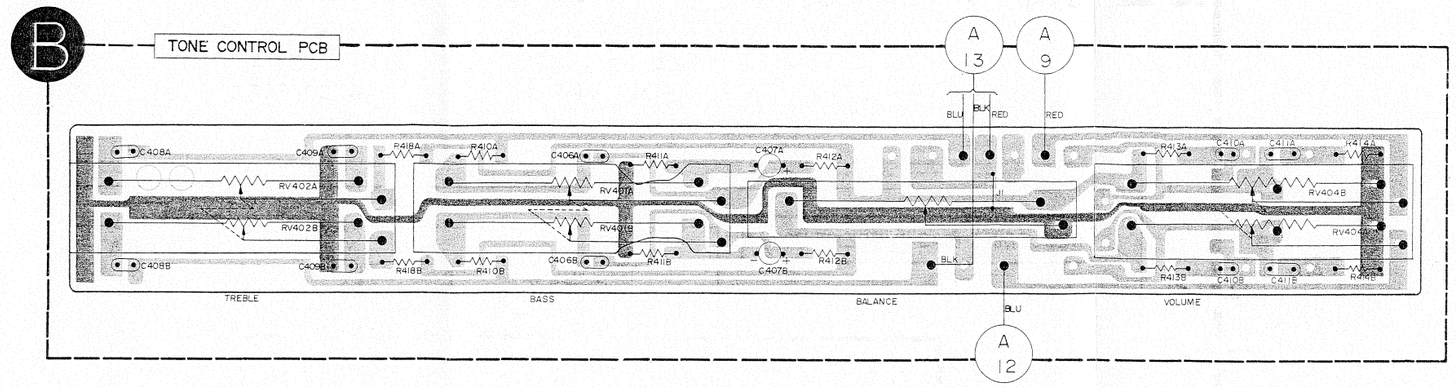
3. Be sure to make your orders of resistors and capacitors with value, Voltage, tolerance and sort.
4. When replacing capacitors marked with ※, Use specified ones stated on parts list since required temperature characteristics.

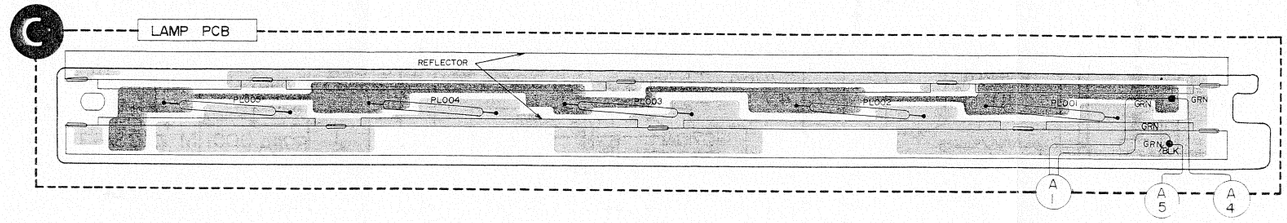
CIRCUIT BOARD DIAGRAM MAIN P.C.B

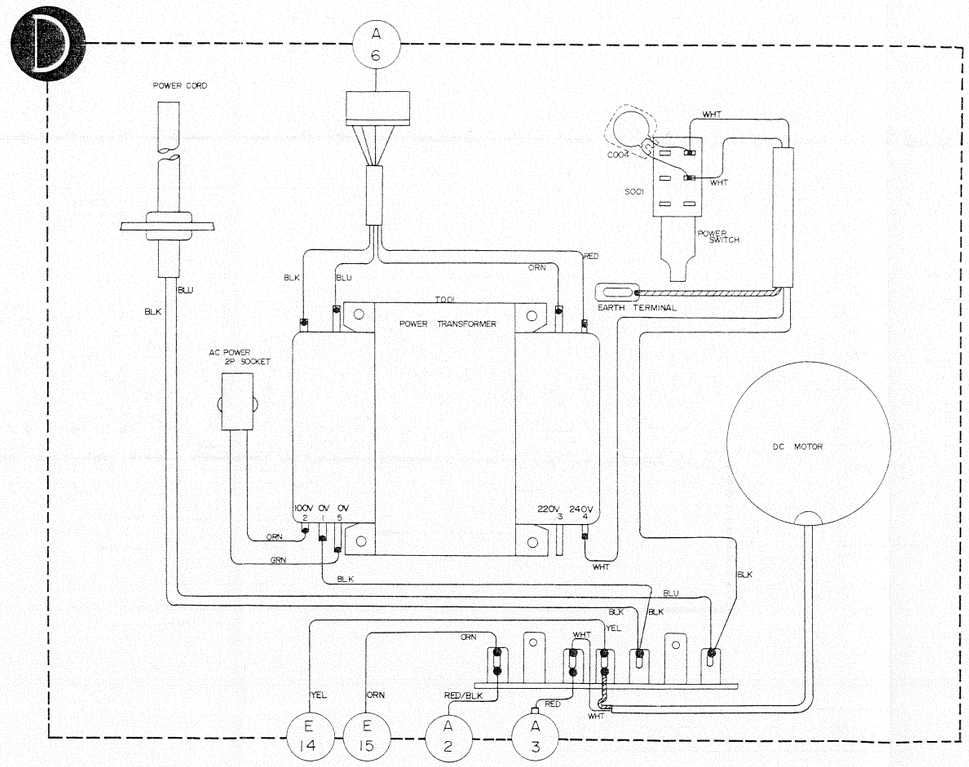




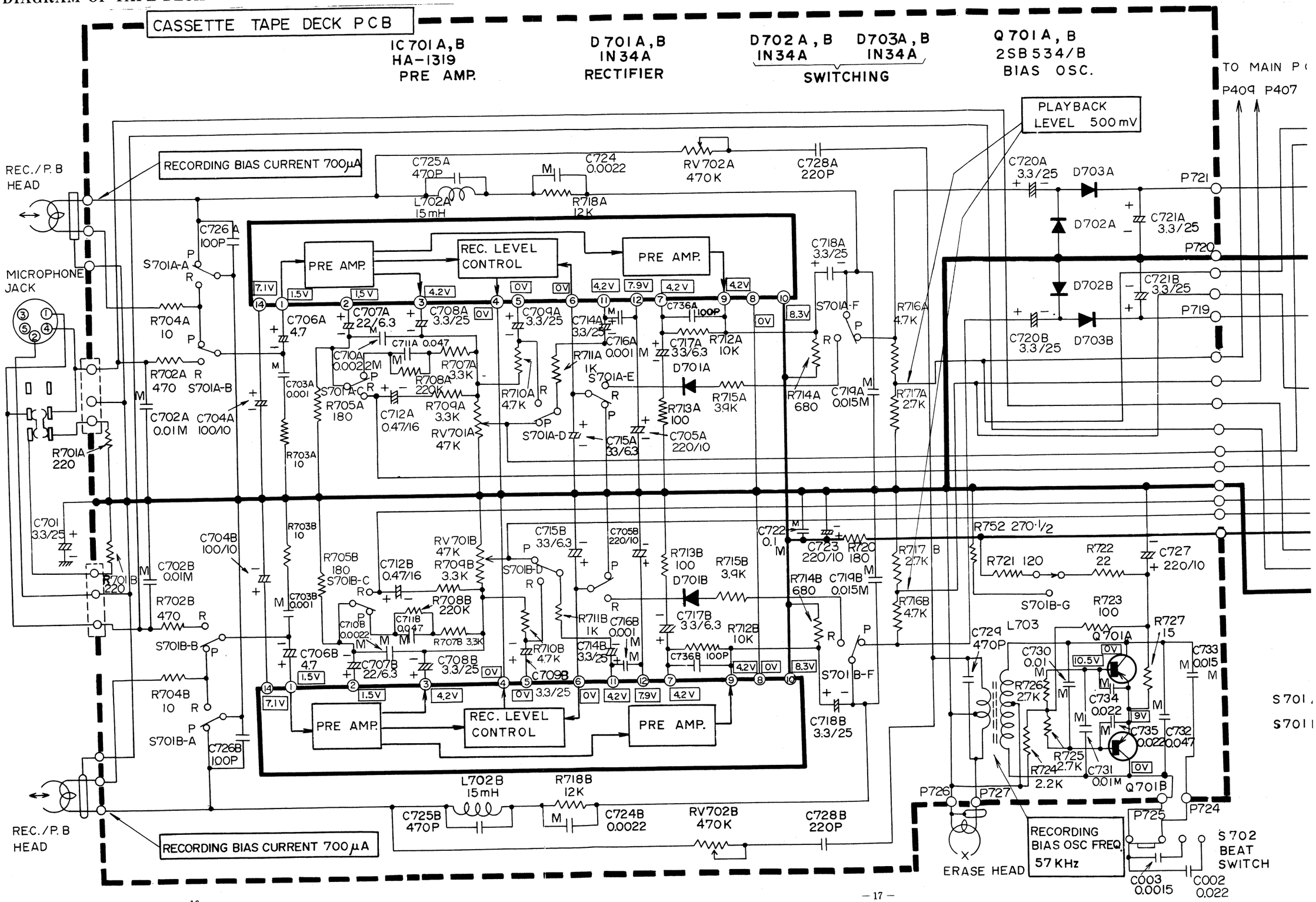

D2
D3
C4
C5
D6
RED
GRN
GRN/BLK
FM STEREO INDICATOR
D301
YEL/BLK
YEL
P603 RED
P602 BLK
P601 BLU
P604 ORN
CIRCUIT
HEADPHONE JACK
(R) SPEAKER JACK
J501A
P609
P606
P605
P604
P602
P601
C607
C603
C608
ZD603
D608
D606
D607
D603
D601
C602
C601
R224
R225
R222
R223
R218
R604
R601
GRN/BLK
ORN/BLK
BLK
TO POWER TRANSFORMER BRACKET
P607 BLU
P407 BLK
P408 RED
P409 ORN
P411 GRN
P410 WHT
F501A
R507A
R507B
R506A
C506A
C505A
C503A
C502A
C504A
R505A
R503A
R501A
R502A
C501A
L501A
IC501A
IC 301
1 10 V 8 15 V
2 3,2 V 9 2,2 V
3 5,3 V 10 1,8 V
4 6,8 V 11 3,4 V
5 6,8 V 12 2,4 V
6 2,8 V 13 2,4 V
7 0 V 14 3,2 V
R501B
R507B
R508B
R509B
C505B
C506B
C504B
C503B
C502B
C501B
L501B
IC501B
IC 501 4,8
1 18,7 V 6 0 V
2 — 7 —
3 18,9 V 8 19,5 V
4 — 9 0 V
5 0 V 10 39,0 V
TO FRONT CHASSIS
C604
D604
R602
R603
C417
R417
P613
IC 401
1 0 V 8 13,4 V
2 13 V 9 13,5 V
3 25,4 V 10 13,5 V
4 26 V 11 26 V
5 13,5 V 12 25,4 V
6 13,5 V 13 13 V
7 13,4 V 14 0 V
B 13
B 12
F 11
F 14
F 15
F 7
E 8
B 9
F 10

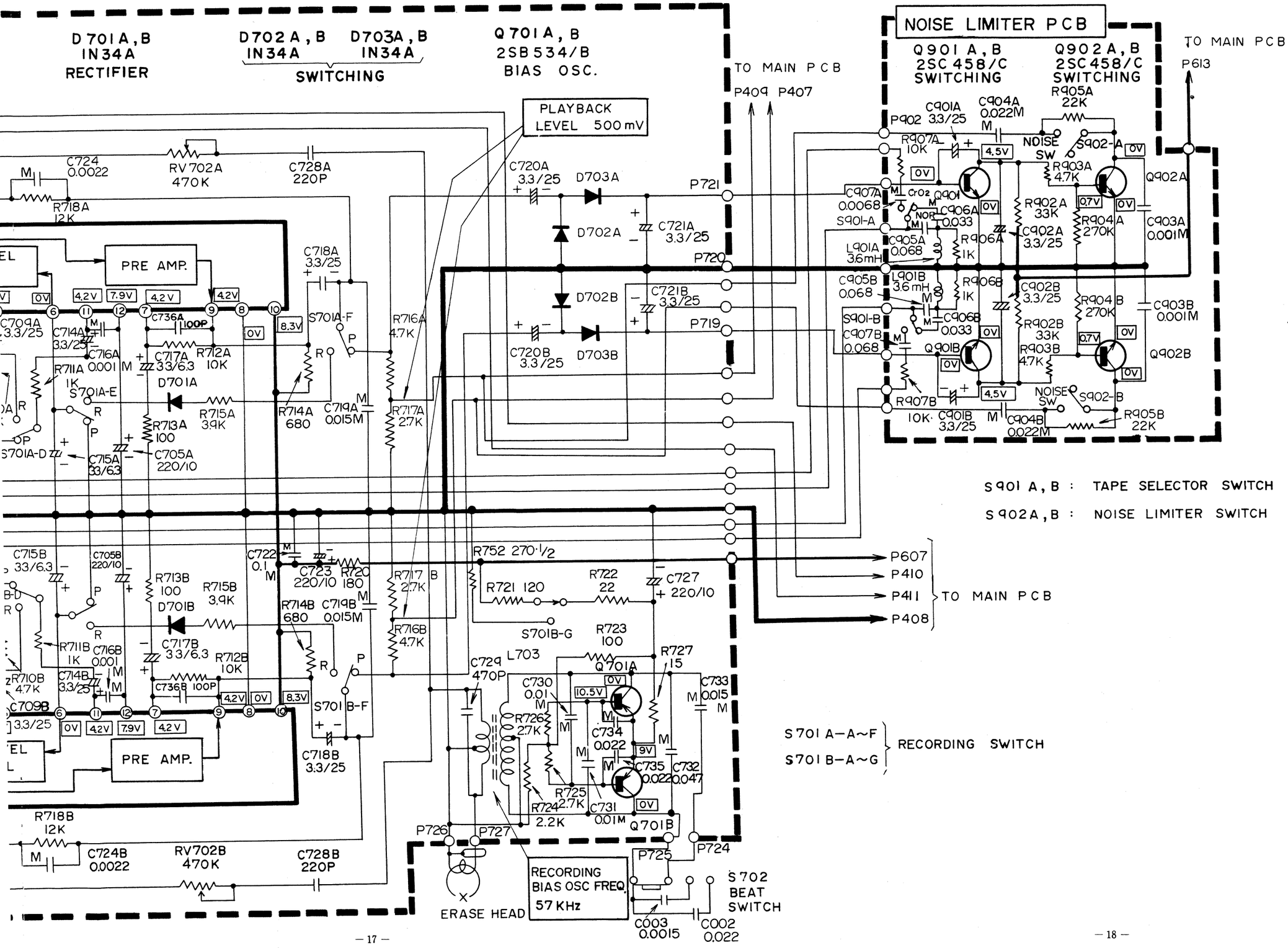

B
TONE CONTROL PCB
A 13
A 9
A 12
BLU
BLK
RED
C408A
C409A
R418A
R410A
C406A
R411A
C407A
R412A
RV402A
RV402B
RV403A
RV403B
C408B
C409B
R418B
R410B
C406B
R411B
C407B
R412B
R413A
C410A
C411A
R414A
RV404B
RV404A
R413B
C410B
C411B
R414B
TREBLE
BASS
BALANCE
VOLUME

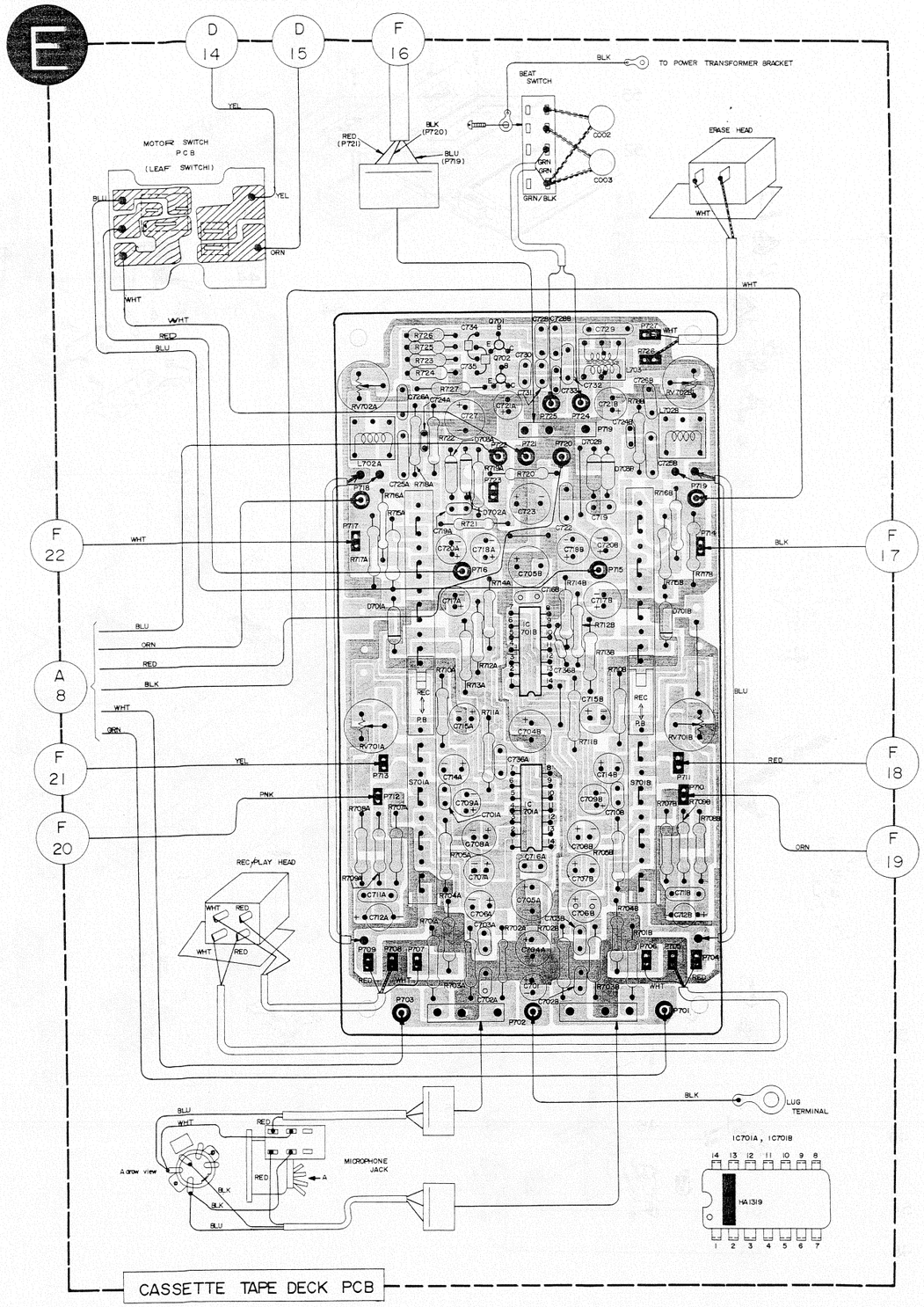

C
LAMP PCB
REFLECTOR
PL005
PL004
PL003
PL002
PL001
GRN
GRN/BLK
A 1
A 5
A 4

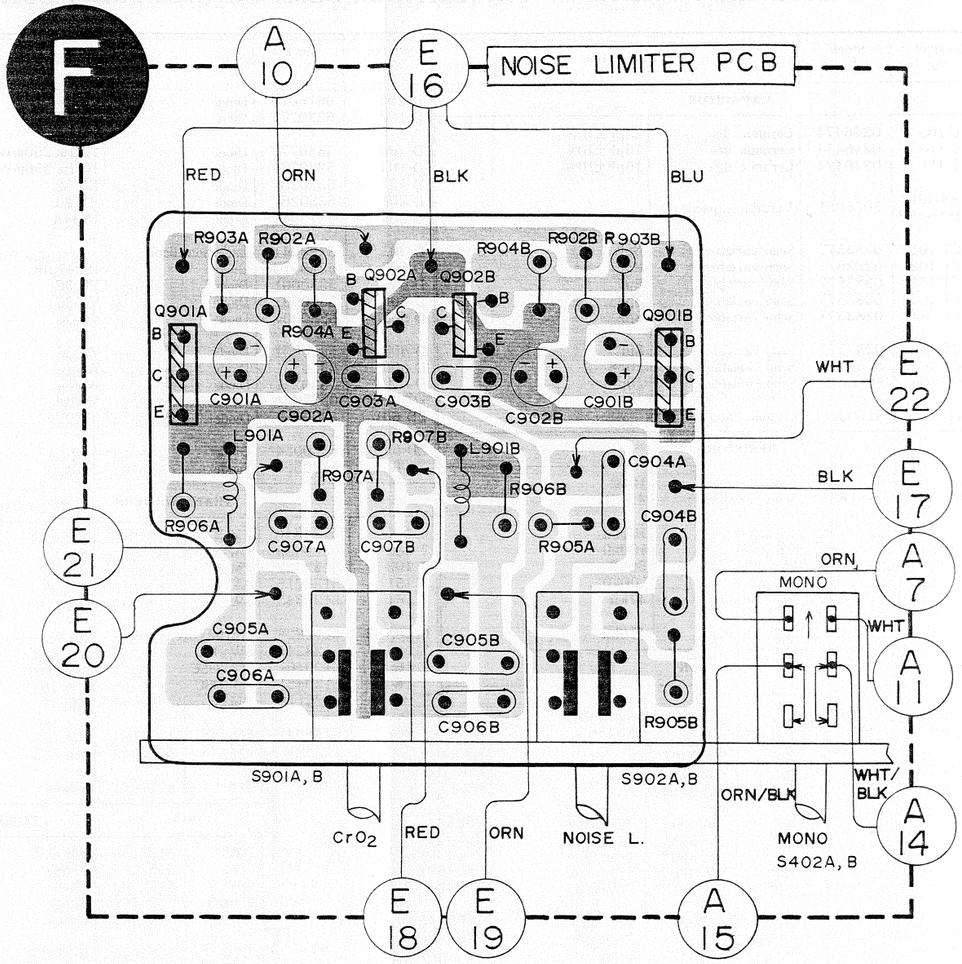

D
A 6
POWER CORD
BLK
BLU
C004
S001
WHT
POWER SWITCH
EARTH TERMINAL
T001
POWER TRANSFORMER
AC POWER 2P SOCKET
100V 0V 0V
220V 240V
ORN
GRN
RED
YEL
BLK
BLU
WHT
RED/BLK
DC MOTOR
E 14
E 15
A 2
A 3

SCHEMATIC DIAGRAM OF TAPE DECK AND NOISE LIMITER CIRCUIT




D701A,B
IN34A
RECTIFIER
D702A,B
IN34A
D703A,B
IN34A
SWITCHING
Q701A,B
2SB534/B
BIAS OSC.
TO MAIN PCB
P409 P407
PLAYBACK
LEVEL 500mV
NOISE LIMITER PCB
Q901A,B
2SC458/C
SWITCHING
Q902A,B
2SC458/C
SWITCHING
TO MAIN PCB
P613
PRE AMP.
PRE AMP.
P721
P720
P719
P726
P727
P724
P725
P607
P410
P411
P408
TO MAIN PCB
S901A,B : TAPE SELECTOR SWITCH
S902A,B : NOISE LIMITER SWITCH
S701A-A~F
S701B-A~G
RECORDING SWITCH
S702
BEAT
SWITCH
RECORDING
BIAS OSC FREQ.
57KHz
ERASE HEAD
NOISE SW
NOR

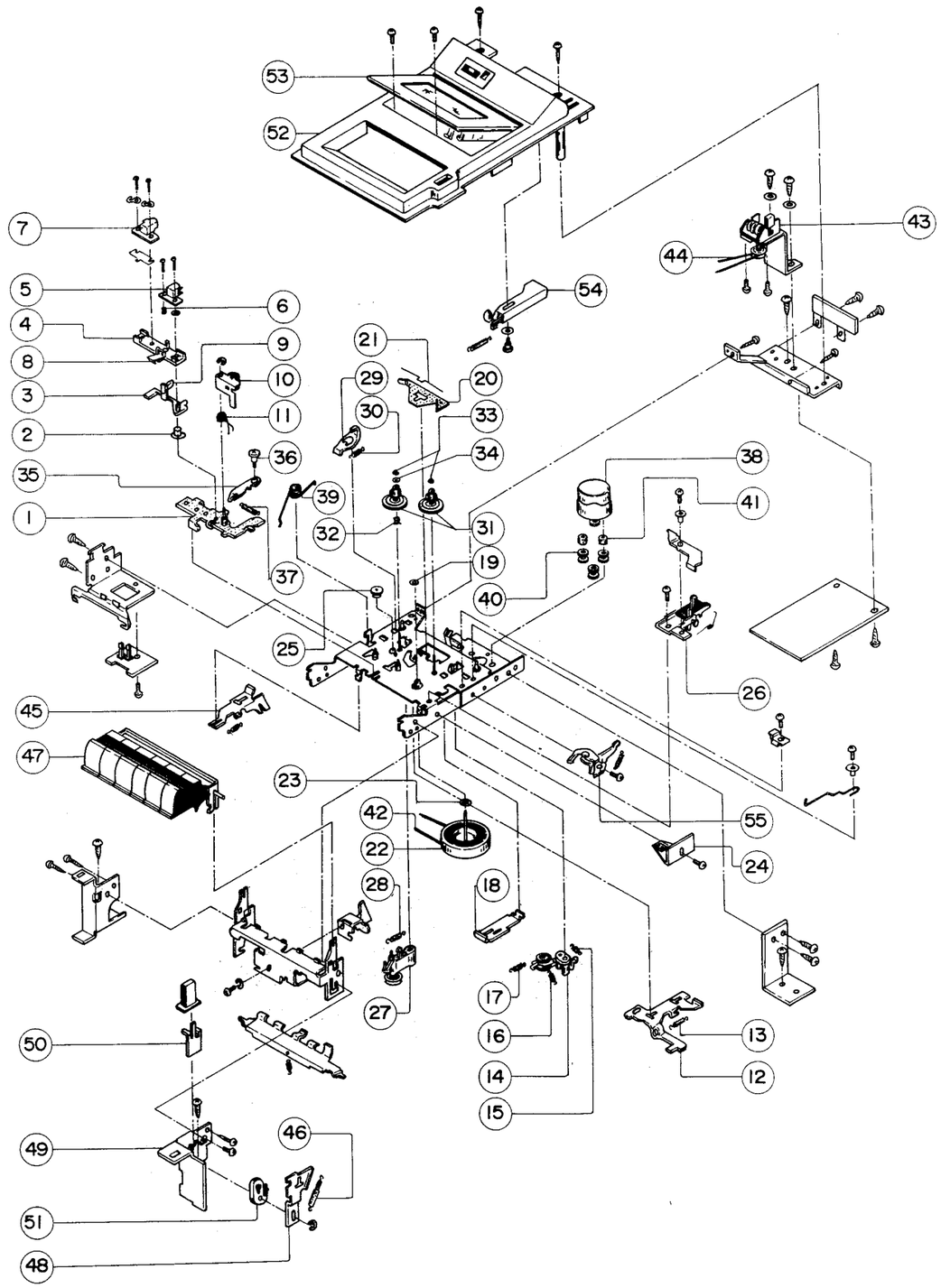

E
D 14
D 15
F 16
BLK
TO POWER TRANSFORMER BRACKET
BEAT SWITCH
MOTOR SWITCH PCB
(LEAF SWITCH)
YEL
BLU
ORN
RED (P721)
BLK (P720)
BLU (P719)
C002
C003
GRN
GRN/BLK
ERASE HEAD
WHT
RED
F 22
F 17
A 8
F 21
F 20
F 18
F 19
BLK
ORN
YEL
PNK
REC/PLAY HEAD
MICROPHONE JACK
Arrow view
LUG TERMINAL
IC701A, IC701B
HA1319
CASSETTE TAPE DECK PCB


F
A 10
E 16
NOISE LIMITER PCB
RED
ORN
BLK
BLU
R903A
R902A
R904B
R902B
R903B
Q902A
Q902B
Q901A
Q901B
R904A
C901A
C902A
C903A
C903B
C902B
C901B
L901A
R907B
L901B
R907A
R906A
R906B
C904A
C907A
C907B
R905A
C904B
C905A
C905B
C906A
C906B
R905B
E 22
E 17
A 7
A 11
E 21
E 20
WHT
BLK
ORN
MONO
WHT/BLK
S901A, B
S902A, B
ORN/BLK
CrO_2
RED
ORN
NOISE L.
MONO
S402A, B
E 18
E 19
A 15
A 14

REPLACEMENT PARTS OF CAPACITORS, SEMI-CONDUCTORS, COILS

Symbol No.	Stock No.	Description	
CAPACITOR:			
C 105	0246474	Ceramic, disc	15pF±10%
C 110	0246474	Ceramic, disc	15pF±10%
C 111	0246474	Ceramic, disc	15pF±10%
RV 101 CV161~162	5056061	Variable capacitor	
CT 101	0283577	Semi variable	8pF
CT 102	0283577	Semi variable	8pF
CT 161	0283577	Semi variable	8pF
CT 162	0283577	Semi variable	8pF
CT 164	0283577	Semi variable	8pF
CT 165	0283577	Semi variabl	8pF
CT 163	5058102	Semi variable	20pF
CT 165	5058102	Semi variable	20pF
CF 201	5160213	Ceramic filter	
RESISTORS:			
RT 101	0151886	Semi variable	10kΩ
RT 301	0151885	Semi variable	4.7kΩ
RV401AB	0171555	Variable	100kΩ
RV402AB	0171555	Variable	100kΩ
RV403	0171528	Variable	50kΩ
RV404AB	0171561	Variable	100kΩ
RV701AB	0151888	Semi variable	47kΩ
RV702AB	0151891	Semi variable	470kΩ
SEMI-CONDUCTOR			
IC 201	5351061	IC	AN253-BB
IC 301	5351073	IC	HA-1156
IC 401	5350301	IC	HA-1452
IC501AB	5350381	IC	HA-1150
IC701AB	5350212	IC	HA-1319
Q 101	5320941	Transistor	2SK55-C
Q 102	0573511	Transistor	2SC535-C
Q 103	0573508	Transistor	2SC461-C
Q 151	0573487	Transistor	2SC460-C
Q 701	5320912	Transistor	2SB534B-P
Q 702	5320912	Transistor	2SB534B-P
Q901AB	0573481	Transistor	2SC458C
Q902AB	0573481	Transistor	2SC458C
D 101	0575019	Diode	1N60P
D 162	0575019	Diode	1N60P
D 202	0575019	Diode	1N60P
D 203	0575019	Diode	1N60P
D 102	5330771	Diode	1SV55
D 103	5330771	Diode	10kHz 250mW
D 104	5330771	Diode	10kHz 250mW
D 151	5330261	Diode	HV-80
D 201	5330261	Diode	HV-80
D 204	0575001	Diode	1N34A
D 301	5380041	Radiation diode	
D 602	5330572	Diode	1S2473HC
D 605	5330001	Diode	VO-3C
D 606	5330001	Diode	VO-3C
D 607	5330001	Diode	VO-3C
D 608	5330001	Diode	VO-3C
D 609	5330341	Diode	WO-6A
D 610	5330341	Diode	WO-6A
D701AB	0575001	Diode	1N34A
ZD 601	5330054	Diode	AW01-13
ZD 603	5330054	Diode	AW01-13
ZD 604	5330561	Diode	HZ-16
TRANSFORMERS:			
T 101	5123348	FM BAL	
T 102	0329605	FM IF	
T 103	5123422	FM RF	
T 151	5136016	AM IF	
T 161	5123343	SW ANT	
T162,163	5112828	Ferrite core antenna	
T 164	5123344	SW OSC	
T 165	5120461	MW OSC	
T 166	5120421	LW OSC	
T 201	0322118	AM IF	
T 202	5148041	FM DIS	
T 203	5148042	FM DIS	
PT	5211671	Power	
COILS:			
L 102	5123355	FM OSC	
L 103	5152004	Choke	
L 161	5152004	Choke	
L501AB	5150761	Choke	
L702AB	5120303	Choke	
L 703	5260054	REC OSC	
L901AB	0333151	Choke	

EXPLODED VIEW OF CASSETTE TAPE DECK CHASSIS



REPLACEMENT PARTS

CASSETTE TAPE DECK

Symbol No.	Stock No.	Description
		for Cassette deck assembly [A] MP-35H
①	7264311	Head plate assembly
②	7535222	Coller for head
③	7262162	Pick up arm
④	6731113	Head stand
⑤	**5441441**	**Record playback head**
⑥	6321733	Spring
⑦	**5445061**	**Erase head**
⑧	6325931	Holder for head plate
⑨	6730821	Pick up piece
⑩	**7239876**	**Pressure roller assembly**
	7778395	E ring
⑪	6306622	Spring for pressure roller
⑫	7239785	Brake function plate
⑬	6323063	Spring for brake function
⑭	6721725	Pulley assembly
⑮	6324154	Spring ⎫
⑯	6300401	Spring ⎬ for pulley assembly
⑰	6324081	Spring ⎭
⑱	7239791	Eject function plate
⑲	7771912	Nylon sheet for flywheel oil stopper
⑳	7239742	Brake plate
㉑	6321564	Spring for brake
㉒	6721822	Flywheel assembly
㉓	7778183	Polyester washer for
㉔	7239823	Flywheel supporting plate assembly
㉕	**6381072**	**Idler assembly**
㉖	7158017	Eject assembly
㉗	**6721834**	**Take up arm assembly**
㉘	6321684	Spring for take up arm
㉙	7239893	Recording prevention plate
㉚	6322661	Spring for brake
㉛	7667666	Turntable assembly
㉜	6320731	Backtension spring for rewind
㉝	0930002	Cap
㉞	0948831	Polyester washer for turntable assembly
㉟	7264821	Lock lever
㊱	7535183	Pin for lock lever
㊲	6303075	Spring for lock
㊳	**5572201**	**Micro motor**
㊴	6306302	Spring
	0711309	Pan head screw 2.6㎜ϕ×9㎜
㊵	7669151	Rubber plate for micro Motor
㊶	7515513	Coller □ mounting
㊷	**6350621**	**Belt 1.2**
		for cassette deck assembly [B]
㊸	5559051	Counter
㊹	**7668061**	**Belt for counter**
㊺	7249903	Recording function plate
㊻	6320171	Spring for pause slider
㊼	6255222	Button assembly
㊽	7245323	Pause lever
㊾	7268273	Pause plate
	7277851	Front bracket assembly
㊿	7267872	Pause function assembly
	6725701	Pause lock piese
(51)	7230902	E ring
	7779791	Polyester washer
	6324451	Brake function spring
(52)	6219431	Cassette panel assembly
(53)	**6090382**	**Cassette lid assembly**
	6259241	Pause button
	7277661	Pause lever
(54)	7277811	Cassette lid slider
	7777617	Special screw
	7771302	Polyester washer
	6300232	Spring for eject
(55)	7153956	Eject assembly

RECORD PLAYER

Symbol No.	Stock No.	Description
		for player assembly (TP-50)
①	**5573041**	**Motor**
②	**6420051**	**Motor pulley**
③	7591664	Special screw for motor pully mounting
④	6588343	Rubber bush ⎫ for motor mounting
⑤	7171491	Washer ⎭
⑥	6348461	Cam gear assembly
⑦	5598211	Pick up arm assembly
⑧	**5598261**	**Cartridge**
⑨	6219463	Panel
⑩	7278101	Adjust assembly
⑪	6737211	Arm lift assembly
⑫	6303981	Spring for lift
⑬	7591664	Special screw for lift mounting
⑭	6736792	Arm rest assembly
⑮	6412132	Turntable assembly
⑯	6588361	Turntable sheet
⑰	**6357092**	**Belt for turntable**
⑱	0690525	Ball
⑲	**5632121**	**Micro switch**
⑳	6328074	Plate spring

Hardware nomenclature

P	Pan head screw		BT	Binding head Tapping screw	
F	Flat countersunk head screw		BL	Bolt	
B	Binding head screw		W	Washer	
T	Round head tapping screw		E	"E" ring	

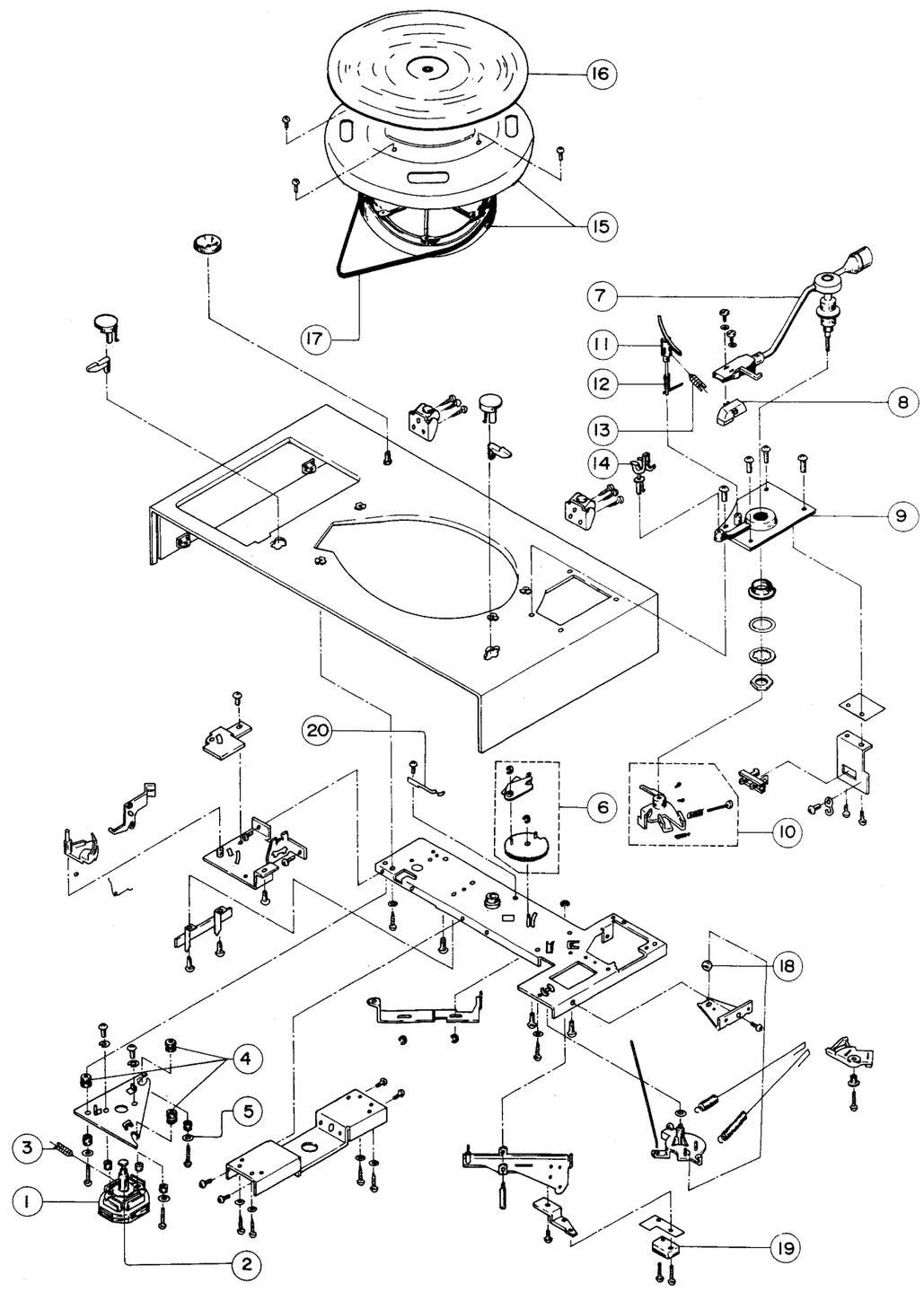
Example

P 3×8 — Type of head; Length in mm (L); Diameter in mm (D)

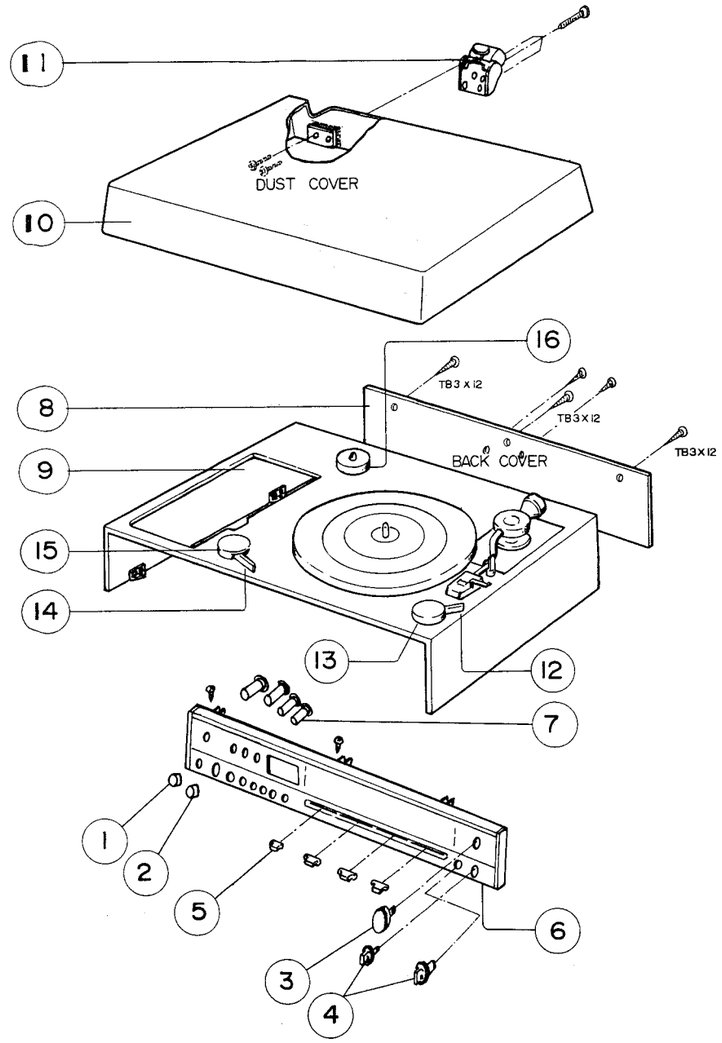
W 2.6 — Washer; Diameter in mm (D)

when ordering hardware excluding stated on these lists, be sure to make your orders with type and size.

EXPLODED VIEW OF RECORD PLAYER



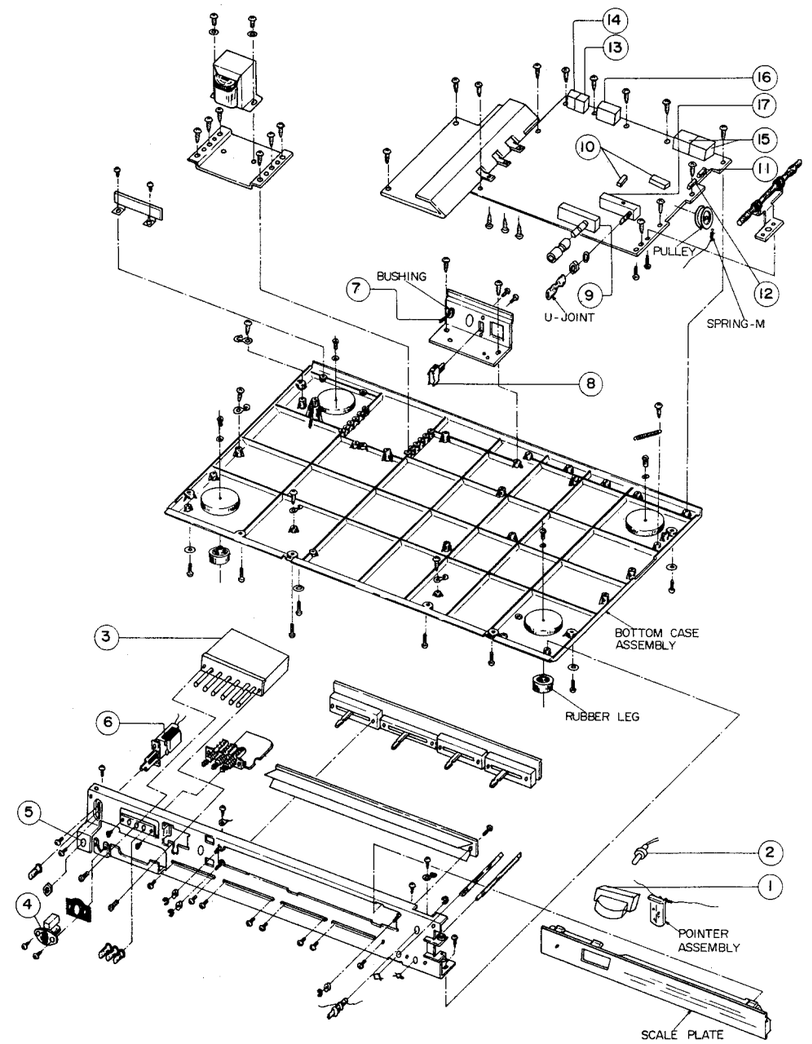
EXPLODED VIEW OF CABINET



REPLACEMENT PARTS OF ACCESSORIES AND CABINET

Symbol No.	Stock No.	Description
		Miscellanous
①	6721371	Headphone cap
②	6730431	DIN cap
③	**6280824**	**Knob assembly (TUNNING)**
④	**6281221**	**Knob (FUNCTION)**
⑤	**6295192**	**Slide knob**
⑥	6219422	Front panel assembly
⑦	6258817	Push botton (POWER, MONO, NOISEL, CrO_2)
⑧	6192452	Back cover
⑨	6154942	Cabinet
⑩	6180245	Dust cover assembly
⑪	6337202	Hinge assembly
⑫	**6298324**	**Knob (UP/DOWN/CUT)**
⑬	6298314	Lever cover (UP/DOWN/CUT)
⑭	**6298323**	**Knob (SPEED SELECTOR)**
⑮	6298313	Lever cover (SPEED SELECTOR)
⑯	6737182	45P adapter
	6136544	Bottom case assembly
	6398113	Pointer assembly
	6470242	Scale plate
	7777616	Special screw for power switch mounting
	6724792	U joint
	7669121	Rubber leg
	6341863	Pulley
	6316232	Spring-M
	0043793	Bushing

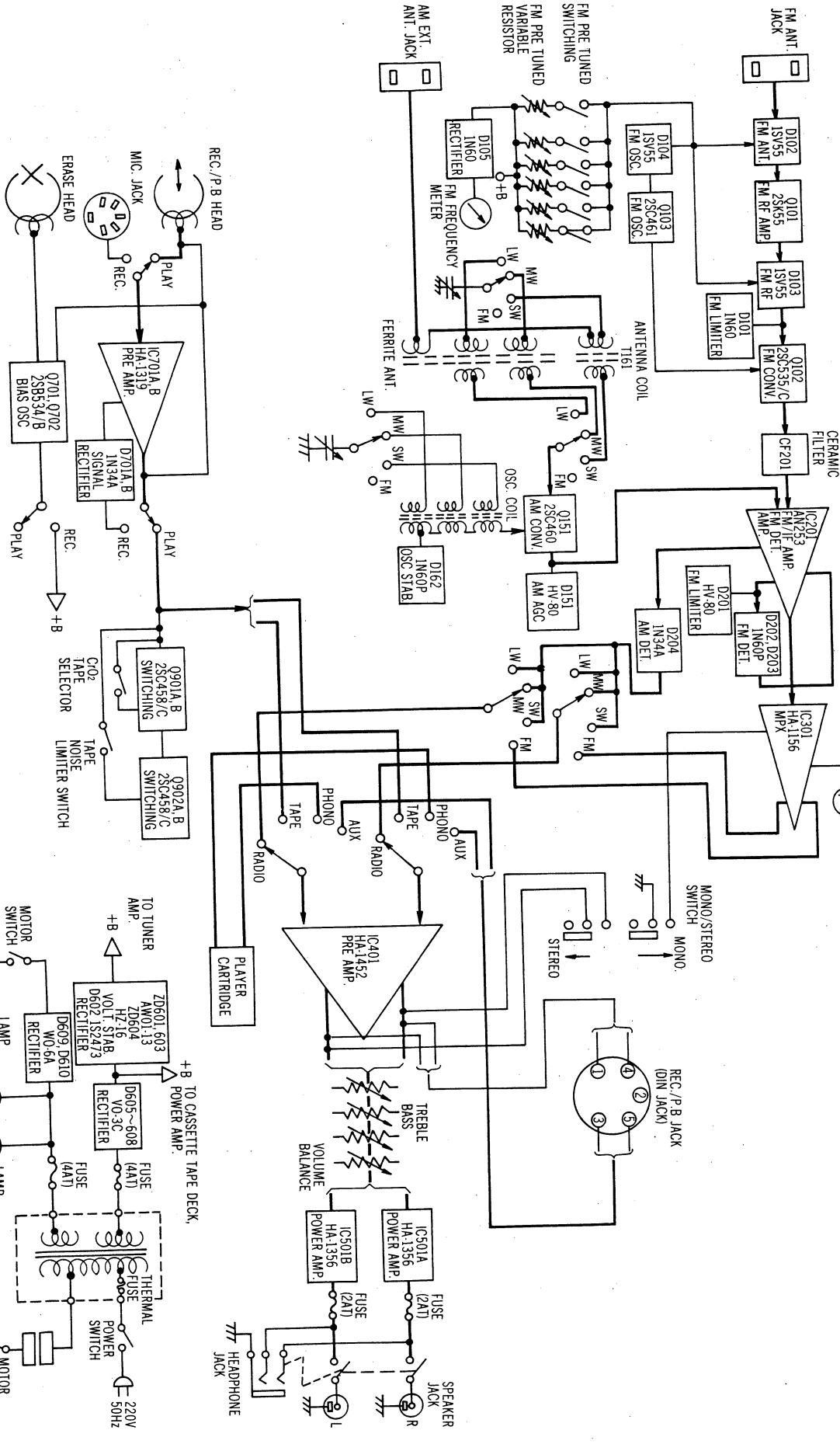
EXPLODED VIEW OF MAIN CHASSIS



REPLACEMENT PARTS OF MAIN CHASSIS

Symbol No.	Stock No.	Description
		Miscellaneous
①	5551908	FM meter
②	5760741	Lamp
③	5631684	FM pre setter
④	5677001	DIN jack (MICROPHONE JACK)
⑤	5671631	Headphon jack
⑥	5632672	Power switch
⑦	5746154	Power cord (E)
	5746171	Power cord (S)
	5746221	Power cord (F)
⑧	5620681	Slide switch
⑨	5613111	Slide rotary switch
	5613121	Slide rotary switch
⑩ F501AB	5720177	Fuse (2A)
⑪ F 601	5721062	Fuse (4A)
⑫ F 602	5721062	Fuse (4A)
⑬ F 102	5677061	AM antenna jack
⑭ J 101	5677071	FM antenna jack
⑮ J501AB	5677051	Speaker jack
⑯ J 401	5677021	DIN jack
	5634058	Push switch
⑰ S 101	5621191	Slide switch
		Accessary
	5890031	FM antenna plag

BLOCK DIAGRAM



PLAYER ADJUSTMENT

Motor pulley height

Remove turn-table and speed selector to 45 rpm. Losen motor pulley mounting screw and set center of motor pulley for centor of select arm as shown in Fig. 10.

- **Pick-up arm height**

  Loosen cueing arm mounting screw and set cueing lever to "UP". Moving cueing arm, adjust stylus to clear a full stack of records by 3mm. After adjustment, tighten cueing arm mounting screw. (See Fig. 11)

- **Auto return and power switch timing**

  When replacing pick-up arm assembly, check the timing of auto return and power switch.

- **Auto return timing (Fig. 12)**

  Adjust auto return screw to be 5.6~6.5cm on lifting position between center spindle and stylus when auto returning.

  Turn clockwise: Late

  Turn counterclockwise: Early

- **Power switch position (Fig. 12)**

  Losen switch function lever mounting screw, adjust switch function lever to be 6-1/3" (16cm) on distance between center spindle and stylus when switching on.

  Move A : Late

  Move B : Early

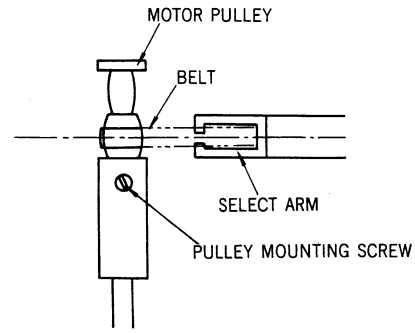


Fig. 10

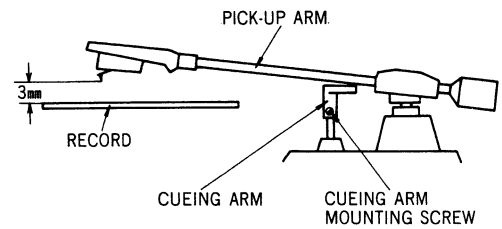


Fig. 11

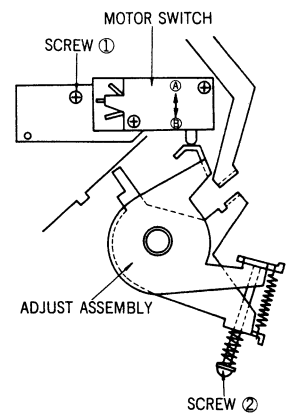


Fig. 12

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